1954

CENSUS OF MANUFACTURES (PRELIMINARY REPORTS)

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

MC-31 - MC-549

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1954 CENSUS OF MANUFACTURES

Preliminary Reports

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD

METROPOLITAN AREAS, AND COUNTIES

MC-S1 - MC-S49

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1954 Census of Manufactures

August 1956 Series: MC-S1

ALABAMA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.—GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

(200 0010 101	CAPICITATION OF TO	/		
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	3,911	3,336	+17
1-19 employees	do	2,759 739	2,131 849	(1) -13
100 or more employees		413	356	+16
All employees ²				
Number	Thousands	216.5	206.2	+5
Payroll	Million dollars	671.0	444.9	+51
Value added by manufacture	do	1,317.6	877.4	+50
Capital expenditures, new		83.5	72.4	+15

¹See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 3.0 thousand employees with a payroll of \$17.9 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

						1954	N 25 25 2 1 2 2 3	2112113		19	47
Ind.	Major industry	Total	Number	of estable with—	ishments	QUI Ail em	ployees	Vslue	Cspitsl	A11	Vslue
group	group	number of estsb- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll 3 (\$1,000)	sdded by lecture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	sdded by manu- fscture (\$1,000)
	All industries, total*	3,911	2,759	739	413	216,476	10,002	1,317,569	83,466	206,239	877,416
20 22 23 24 25	Food and kindred products ²	140	362 9 49 1,528 80	125 19 37 271 23	45 83 54 43 4	16,206 45,874 17,915 28,521 2,104	46,315 109,789 33,556 52,294 5,393	96,545 167,183 63,794 86,590 9,263	6,239 7,221 1,704 5,331 305	11,990 52,143 8,190 37,431 1,558	55,486 216,373 21,031 101,242 4,972
26 27 28 29 32	Pulp, psper, and products Printing and publishing Chemicals and products Petroleum and coal products Stone, clay, and glass products	267 149 26	6 227 77 12 111	8 33 57 4 58	18 7 15 10 23	8,674 4,877 7,523 3,091 7,278	35,008 18,695 28,160 13,353 24,135	77,078 35,517 82,814 64,274 57,862	6,671 1,744 7,403 5,275 4,222	5,700 3,742 8,204 2,795 6,290	39,899 19,764 46,087 32,691 30,904
33 34 35 37 39	Primary metal industries	88 160 107 48 61	19 96 77 35 42	23 37 18 3 13	46 27 12 10 6	37,430 8,707 5,987 11,033 2,279	159,556 33,195 24,209 43,912 7,861	314,192 68,116 35,049 57,901 13,488	21,193 3,540 3,130 637 632	39,295 7,364 6,956 7,929 600	169,744 38,249 26,455 35,131 1,455

*Totals include data for industry groups which have been withheld from publication in order to (a) svoid disclosing figures for individual comanies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Alabama reported 2,993 employees with a total payroll of \$17,906 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and sma

small mills for individual States.

4Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.) (Establishments which

Table 3. --GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	47
Ind.			Number	of establ	ishments	All em	ployees ¹	Vslue			Vslue
group	major industry group	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	sdded by msnu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	sdded by manu- fscture (\$1,000)
	All industries, total*	617	349	173	95	58,127	237,667	485,033	30,324	53,359	275,630
20 21	Food and kindred products ³	96	43	36	17	5,253	17,183	33,774	1,839	4,313	22,137
23	Apparel and related products	19 65	10 47	6 17	3	977 1,459	2,008 3,072	2,636 4,357	39 146	885 1,636	2,844 4,739
25	Furniture and fixtures	32	23	. 6	3	776	2,431	4,536	113	765	2,798
27 28	Printing and publishing	74 36	57 24	13 10	4 2	2,098	9,053 4,598	18,037 11,492	739 707	1,890 1,215	10,700 10,316
29 31	Petroleum and coal products Leather and leather products	9	3	•••	6	2,358	10,097	52,641	(*)	2,044	27,720
32	Stone, clay, and glass products	 49	20	19	10	3,132	11,490	30,884	2,322	3,177	18,340
33	Primary metal industries	45	9	15	21	22,206	102,419	204,729	14,713	23,857	111,148
34 35	Fabricated metal products	80 46	37 36	28 6	15	5,728	23,494	50,225	2,944	5,240	27,121
	Machinery, except electrical Electrical machinery	46 11	6	3	4 2	3,104 745	13,304 3,106	18,579 5,115	1,102 (*)	4,237 407	17,944 1,748

small mills for individual States.

^{**}Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the Birmingham Standard Metropolitan Area consists of manufacturers in the Birmingham Standard Metropolitan Area consists of Jefferson County, Alabama.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

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Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

	1	(See text	f for exp.	lanation c	of column cap	otions)			19	47
		Number	of establ	ishments	All em	ployeea	17-3	3 Capital		Value
Standard metropolitan area and county	Total number of estab-	em-	with— 20-99 еш-	100 or more em-	Number	Payroll	Value added by manu- facture	expendi- turea, new	All employees, number	Value added by manu- facture
	lishments	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
Alabama, total	3,911	2,759	739	413	216,476	671,002	1,317,569	83,466	206,239	877,416
STANDARD METROPOLITAN AREA ¹										
Birmingham area ²	617	349	173	95	58,127	237,667	485,033	30,324	53,359	275,630
Columbus, Georgia area, total ³ Portion in Alabama. Portion in Georgia.	174 53 121	110 44 66	37 9 28	27 27	17,216 864 17,216	44,179 1,718 42,461	75,807 2,886 72,921	4,353 150 4,203	19,990 931 19,059	90,156 2,875 87,281
Gadsden ⁴ Mobile area ⁵ Montgomery area ⁶	93 226 193	61 157 125	17 36 48	15 33 20	12,760 15,376 6,288	47,483 56,694 17,767	101,956 123,577 32,772	4,599 8,023 1,489	15,033 17,581 5,617	68,831 91,312 24,942
COUNTIES										
Autauga. Baldwin. Barbour. Bibb. Blount.	- 27 79 47 31 22	20 63 34 25 21	5 12 9 5	2 4 4 1 1	994 1,480 1,542 1,029 594	2,429 3,651 2,774 1,807	4,172 6,133 5,108 2,337 2,160	141 1,428 105 315 97	986 580 1,642 883 364	2,293 1,924 4,746 1,984 929
Bullock. Butler Calhoun. Chambers. Cherokee.	20 38 102 43 8	17 30 62 30 8	2 · 13 · 4 · · ·	1 5 27 9	384 2,356 11,386 (*) (*)	596 4,605 34,195 (*) (*)	798 6,417 57,752 (*)	50 511 1,949 (*)	726 2,194 10,381 (*) (*)	1,751 5,379 36,702 (*) (*)
Chilton. Choctaw. Clarke Clay. Cleburne.	45 59 76 29 27	37 48 59 24 26	6 10 12 3 1	2 1 5 2	924 (*) 2,783 641 219	1,897 (*) 5,651 1,416 321	3,057 (*) 12,515 2,237 607	138 (*) 381 75 181	885 (*) 1,830 460 277	3,190 (*) 5,710 1,396 809
Coffee. Colbert. Conecuh Coosa. Covington.	45 43 28 39 65	34 25 18 29 47	7 9 8 9 6	4 9 2 1 12	1,750 5,323 738 (*) 4,915	3,731 20,456 1,557 (*) 9,875	6,728 42,014 1,987 (*) 14,296	444 2,785 82 (*) 636	1,635 6,972 764 (*) 3,700	6,794 29,362 2,126 (*) 10,008
Crenshaw. Cullman. Dale. Dallas. De Kalb.	41 39 35 71 54	36 27 27 40 44	4 9 6 25 4	1 3 2 6 6	588 1,383 913 2,873 1,787	788 2,629 1,588 5,292 3,838	987 3,705 2,675 9,550 6,592	51 190 78 479 216	388 877 939 2,723 1,286	874 3,240 1,985 8,103 2,703
Elmore. Escambia. Etovah. Fayette. Franklin.	29 59 93 27 23	21 47 61 19 19	5 7 17 6 2	3 5 15 2 2	(*) 2,032 12,760 870 467	(*) 4,355 47,483 1,858 1,065	(*) 9,364 101,956 2,553 1,415	(*) 439 4,599 343 60	(*) 1,559 15,033 1,111 806	(*) 5,699 68,831 3,879 2,315
Geneva. Greene Hale. Henry. Houston.	39 19 25 35 80	31 14 19 31 59	5 5 2 14	3 1 2 7	1,655 235 449 853 2,305	3,157 382 884 -1,538 6,259	6,327 591 1,448 2,765 11,674	253 (*) 190 82 939	1,278 39 469 485 1,720	4,673 179 1,206 1,257 6,499
Jackson. Jefferson. Lamar. Lamaerdale Lawrence.	58 617 34 31 6	43 349 28 20 4	11 173 4 8 1	4 95 2 3 1	1,388 58,127 781 1,818 (*)	2,511 237,667 1,426 4,351 (*)	4,289 485,033 2,009 7,134 (*)	256 30,324 73: 513 (*)	1,028 53,359 596 1,050 (*)	2,820 275,630 914 4,016 (*)
Lee. Limestone. Lowndes, Macon./ Madison.	55 12 25 23 59	40 7 22 20 39	9 4 2 3 14	6 1 1 	3,491 498 272 244 4,376	8,490 911 343 368 12,531	16,579 1,860 539 607 20,289	716 (*) 24 67 1,636	2,821 126 305 429 4,444	11,894 248 721 926 18,686
Marengo	40 33 41 226 35	27 24 31 157 23	- 9 4 4 36 8	4 5 6 33 4	1,425 1,317 1,689 15,376 1,769	2,962 2,631 3,914 56,694 3,487	7,244 5,383 6,300 123,577 6,497	273 223 339 8,023 191	1,507 515 1,517 17,581 1,429	4,090 2,171 4,862 91,312 3,780
Montgomery. Morgan. Perry. Pickens. Pike.	26 36	125 38 22 25 50	48 16 4 9 11	20 10 2 .2	6,288 4,185 321 1,210 1,154	17,767 14,130 669 2,673 2,108	32,772 32,052 1,305 5,404 3,405	1,489 3,485 27 292 117	5,617 4,105 937 950 1,223	24,942 15,074 2,269 2,713 3,229

See footnotes at end of table.

ALABAMA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

-		(See tex	t for exp	lanation o	of column car	otions)				
					1954				19	47
Standard metropolitan		Number	of establ with—	ishments	All emp	ployees	Value	Capital	All	Value
area and county	Total number of estab- lishments	em-	20-99 em-	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture
	TISIMETICS	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
COUNTIESContinued			-							
Randolph	44	37	4	3	1,674	3,464	4,345	396	1,773	5,135
Russell	53	44	9	•••	864	1,718	2,886	150	931	2,875
St. Clair	24	20	3	1	936	2,145	3,687	30	1,418	7,460
Shelby	66	50 24	12	4	1,713	3,916	5,665	3,816	1,451	5,831
Sumter	30	24	,	1	706	1,291	1,825	884	1,280	3,618
Talladega	88	56	14	18	8,498	24,144	54,532	1,724	6,442	26,225
Tallapoosa	69	50	10	9	4,856	11,941	14,553	972	4,747	21,417
Tuscaloosa	116	66	36	14	8,077	29,806	63,230	6,866	5,988	30,682
Walker	67	54	10	3	1,881	4,682	8,042	191	1,842	9,178
Washington	58	47	9	2	907	1,934	6,507	472	630	1,234
Wilcox	43	37	5	1	(*)	(*)	(*)	(*)	(*)	(*)
Winston	34	28	4	2	947	1,943	3,132	146	546	3,436

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...Represents zero.

1 addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Columbus, Georgia.	50-100	250-500
Gadsden.	0	0
Mobile.	20-50	100-250
Montgomery.	0	0

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

For a definition of the Birmingham Standard Metropolitan Area and the central administrative office and auxiliary unit employment and payroll for this area, see Table 3 footnotes.

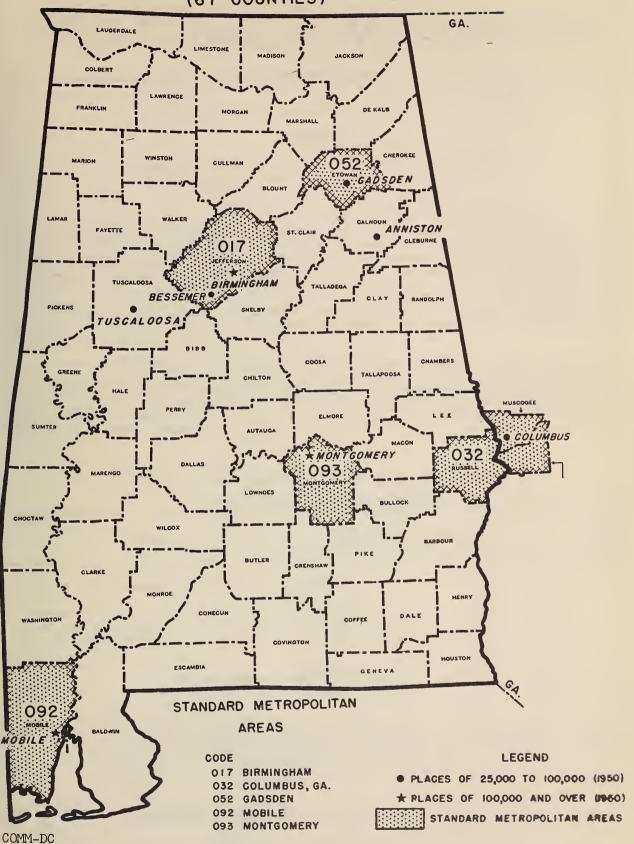
The Columbus, Georgia Standard Metropolitan Area consists of Russell County, Alabama; Chattahoochee and Muscogee Counties, Georgia.

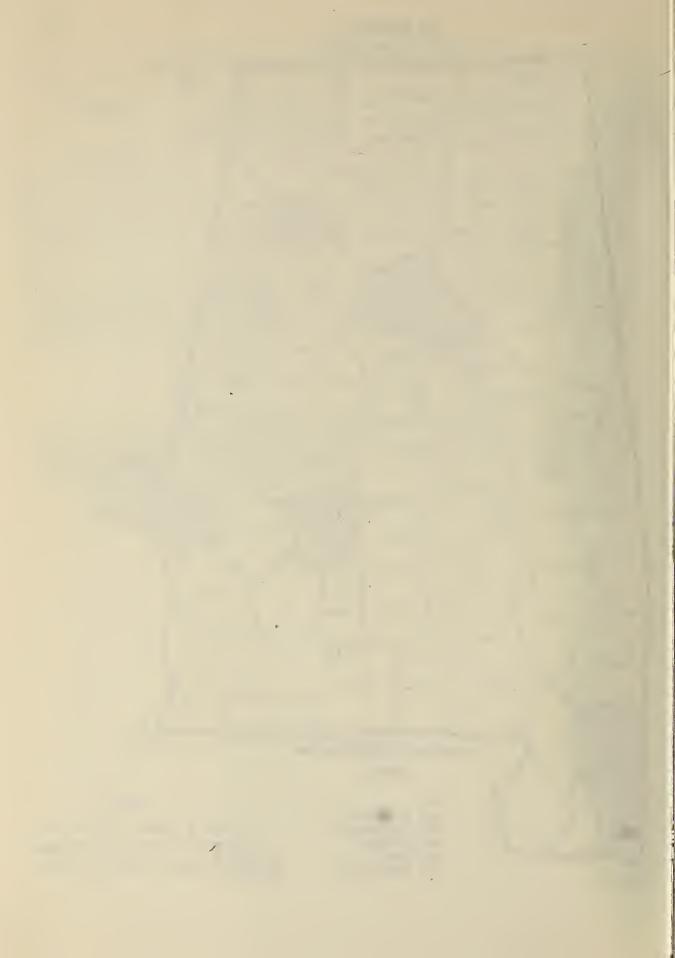
The Gadsden Standard Metropolitan Area consists of Etovah County, Alabama.

The Mobile Standard Metropolitan Area consists of Mobile County, Alabama.

The Montgomery Standard Metropolitan Area consists of Montgomery County, Alabama.

ALABAMA
(67 COUNTIES)





1954 Census of Manufactures

July 1956

Series:

MC-S2

ARIZONA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

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(See text for explanation of items)

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20-99 employees		135	100	+35
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All employees ¹ Number	Thousands	26.1	14.2	+84
Payroll	Million dollars	109.8	39.3	+179
Value added by manufacture	do	191.4 13.8	83.8 8.3	+128 +66

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 0.2 thousand employees with a payroll of \$1.2 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

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All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY C'OUP: 1954 AND 1947

(See text for explanation of column captions)

						1954	•			19	47
Ind.	Major industry	Total	Number	of estable with-	ishments	All em	ployees ¹	Vslue	Capital	All	Value
group code	group	number of estab- lishments	1-19	20-99 em- ployees	100 or more em- ployees	Number	Payrol1 (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	manu- facture (\$1,000)
	All industries, total*	820	645	135	40	26,050	109,827	191,387	13,829	14,188	83,829
20	Food and kindred products2	203	153	41	9	4,534	17,943	37,668	2,718	3,433	19,043
23 24	Apparel and related products Lumber and wood products ³	46 91	35 64	10 22	1 5	785 2,648	1,727 10,226	3,641 14,738	69 2,522	67 2,530	271 12,620
25	Furniture and fixtures	50	47	3		337	1,127	1,991	46	264	1,077
27 28	Printing and publishing	134 33	118 23	14	2 3	2,196	8,544	16,646 15,141	1,274 888	1,549 616	8,761
32	Stone, clay, and glass products	64	49	13	2	1,224 1,005	5,127 3,914	8,483	1,275	863	5,771 3,616
33	Primary metal products	14	5		9	4,395	20,211	36,265	(*)	3,420	24,991
34	Fabricated metal products	44	36	5	3	1,150	4,209	5,514	348	490	3,679
37 39	Transportation equipment Miscellaneous manufactures4	15 44	10 40	2 4	3	5,881 328	30,101 987	40,751 1,828	(*) 215	166 112	753 576

*Totals include dats for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

State.
...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Arizona reported 179 employees with a total payroll of \$1,204 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 24.1) were not included in the Census; in addition, only Saumills and Planing Mills (Industry 24.2) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and saumills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of thes In 1947, Logging Camps and

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.) (Establishments which

ARIZONA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

		tocc ccx	o ror cap.	rana vicin	or corumn car	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
		1954								47
Standard metropolitan		Number	of eatabl with—	ishments	All emy	ployees	Value	Capital	A11	Value
area and county	Total number of eatab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
Arizona, total	820	645	135	40	26,050	109,827	191,387	13,829	14,188	83,829
STANDARD METROPOLITAN AREAS ¹								-		
Phoenix ²	463 151	358 128	82 17	23 6	15,706 4,549	66,492 20,136	114,403 37,442	7,494 2,168	7,449 1,174	39,656 6,015
COUNTIES										
Apache. Cochise. Coconino. Gila. Graham.	15 26 20 21	9 20 17 15 8	4 4 1 3 1	2 2 2 3	(*) (*) (*) 939 (*)	(*) (*) (*) 4,018 (*)	(*) (*) (*) 6,873 (*)	(*) (*) (*) 218 (*)	(*) (*) (*) 826 (*)	(*) (*) (*) 9,404 (*)
Greenlee	5 463 7 33 151	358 7 23 128	82 10 17	1 23 6	(*) 15,706 (*) 558 4,549	(*) 66,492 (*) 1,801 20,136	(*) 114,403 (*) 3,422 37,442	(*) 7,494 (*) 196 2,168	(*) 7,449 (*) 442 1,174	(*) 39,656 (*) 2,751 6,015
Pinal. Santa Cruz	20 5 22 23	18 4 16 18	1 1 6 5		(*) (*) (*) 338	(*) (*) (*) 1,230	(*) (*) (*) 2,219	(*) (*) (*) 143	(*) (*) (*) 227	(*) (*) (*) 1,156

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

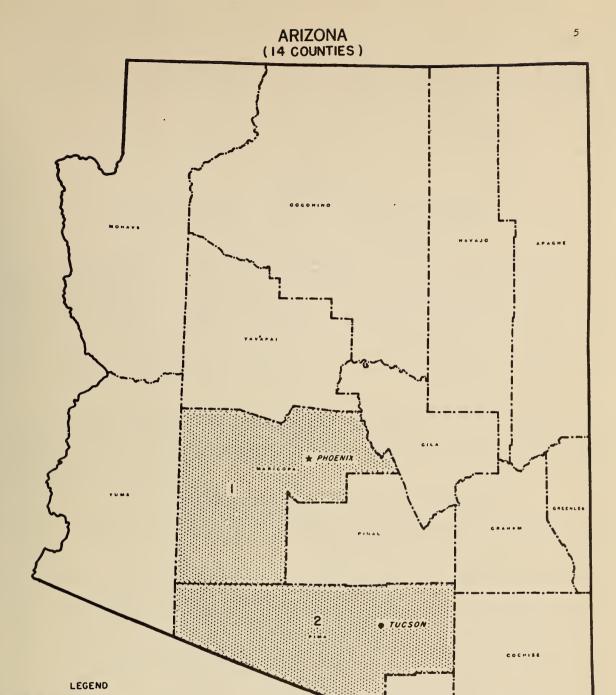
In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for the two standard metropolitan areas are given in the table below. Comparable figures are not available for 1947.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Phoenix. Tucson.		500-1,000 0

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

The Phoenix Standard Metropolitan Area consists of Maricopa County, Arizona.

The Tucson Standard Metropolitan Area consists of Pima County, Arizona.



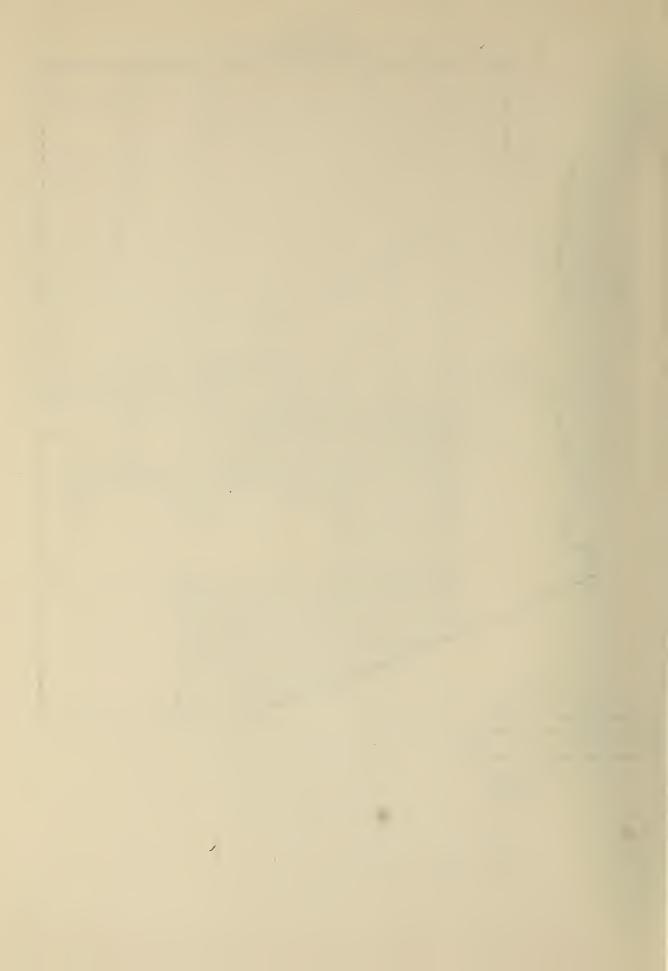
• PLACES OF 25,000 TO 100,000

PLACES OF 100,000 AND OVER STANDARD METROPOLITAN AREA

STANDARD METROPOLITAN AREA

CODE

PHOENIX TUCSON



1954 Census of Manufactures

July 1956 Series: MC-S3

ARKANSAS

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1. -- GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

. Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	2,438	1,926	+27
1-19 employees	dododododo.	1,870 394 174	1,337 450 139	(1) -12 +25
All employees ² Number Payroll	Thousands	78.6 219.5	65.8 125.2	+19 +75
Value added by manufacture	do	456.6 42.7	267.5 30.3	+71 +41

See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24 "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 0.8 thousand employees with a payroll of \$3.8 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll</u>.--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance state reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

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Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	47
Ind.	Major industry	Total	Number	of establ with—	ishments	All em	ployees ¹	Value	Capital	All	Vslue
group	group	number of estab- lishments	estab- 1-19 20-99 more manu-	expendi- tures, new (\$1,000)	employees, number	sdded by manu- fscture (\$1,000)					
	All industries, total*	2,438	1,870	394	174	78,555	219,470	456,607	42,703	65,802	267,516
20 23 24 25 26 27 28 29 31 32	Food and kindred products ² Apparel and related products Lumber and wood products ³ . Furniture and fixturesPulp, paper, and productsFrinting and publishing. Chemicals and productsPetroleum and coal productsLeather and leather productsStone, clay, and glass products.	505 46 1,190 80 19 201 57 17 12 76	351 19 1,004 51 4 180 25 9 1	124 10 141 16 7 16 24 5 2	30 17 45 13 8 5 8 3 9	12,915 5,250 21,723 4,856 3,993 2,758 5,293 1,365 3,626 2,702	33,415 9,978 48,345 12,435 15,975 9,549 20,910 6,520 7,897 8,961	74,345 14,381 71,660 19,014 48,842 15,759 63,754 19,285 16,301 18,738	5,602 230 7,353 1,048 (*) 594 14,272 (*) (*)	9,719 2,482 28,749 3,178 3,159 2,226 4,145 1,193 1,343 2,492	41,020 5,623 83,775 11,439 21,887 11,342 29,194 17,064 3,121 10,237
33 34 35 36 37 39	Primary metal industries	18 60 44 7 17 65	10 46 39 3 12 50	3 10 4 3 11	5 4 1 4 2 • 4	2,617 1,876 606 1,654 475 4,502	11,600 5,655 1,877 4,735 1,385	29,597 9,667 6,395 15,625 2,285 23,564	(*) 980 246 (*) (*) 993	2,917 758 443 321 845	18,885 3,517 2,207 1,111 2,440

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

Represents zero.

For footnotes, see end of table.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often re-

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1934, such central administrative offices and auxiliary units of manufacturers in the State of Arkansas reported 805 employees with a total payroll of \$3,820 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills fo

Table 3.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (The State of Arkansas contains no standard metropolitan area with 40,000 or more manufacturing employees.)

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions) 1947 1954 Number of establishments All employees with. Value Capital Value Standard metropolitan All Total added by expendiadded by area and county 100 or employees, number number of estab-20-99 manıı-1-19 manutures, more Number Payroll. facture facture ememnew emlishments ployees ployees (\$1,000) (\$1,000)(\$1,000) plovees (\$1,000) 42,703 267,516 1,870 394 174 78,555 219,470 456,607 65,802 Arkansas. total..... 2,438 STANDARD METROPOLITAN AREAS+ 6,515 19,916 39,478 21,737 39,190 Fort Smith²..... 8,809 Little Rock-North Little Rock³...... 11,649 33,913 67,971 4,023 266 175 62 29 COUNTIES 4,619 12,797 (*) 2,592 1,081 2,824 816 28 17 Arkansas.... 19,042 2.014 32 9 5 2,603 8,808 Ashley..... ... 5 1 Baxter..... 14 13 38 1,928 4,341 9,016 615 1.018 16 Benton.... 235 1,935 3,002 554 27 35 876 (*) (*) 435 (*) (*) (*) (*) (*) (*) (*) 28 20 2 Calhoun..... 16 13 2 3 206 13 1 999 1,651 601 17 Carroll..... 926 862 Chicot..... 12 54 266 6 8,993 1,130 1,845 5.836 33 Clark..... 43 1,503 130 387 25 19 440 (*) 24 27 22 1 3 1 843 1 4 2 (*) 679 (*) (*) (*) Cleburne.... Cleveland.... 13 409 323 633 10 3 3,250 2,061 67 20 53 15 4.84 1.500 3,335 Conway.....

Table 4. --GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued (See text for explanation of column captions)

		(Sec tex	o for exp.	Tallac Tota	1954	ocions)			19	47
		Number	of establ	ishments	All em	ployees	Vslue	Cspitsl		Value
Standard metropolitan area and county	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	sdded by msnu- fscture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	sdded by msnu- fscture (\$1,000)
COUNTIESContinued										
Craighead. Cravford. Crittenden. Cross. Dallas.	50 19 14 13 39	36 13 8 10 31	12 4 5 3 7	2 2 1	1,390 702 459 182 847	3,702 1,178 1,315 352 2,280	8,484 1,738 2,753 651 3,078	1,062 (*) (*) (*) (*) 218	1,119 467 497 78 890	5,423 1,160 1,972 219 3,166
Deshs. Drew Fsulkner. Franklin Fulton.	17 28 22 13 6	15 21 17 10 5	2 4 3 2	3 2 1	216 834 832 248 (*)	488 1,657 2,062 439 (*)	905 3,372 4,325 763 (*)	(*) 193 262 (*) (*)	239 564 421 190 (*)	827 1,245 945 500 (*)
Garland. Grant Greene. Hempstesd Hot Spring.	76 31 29 30 47	68 27 23 20 32	7 2 4 5 9	1 2 2 5 6	1,115 597 1,108 1,141 2,981	2,813 1,335 2,059 2,511 10,486	4,772 2,313 3,047 4,382 27,517	437 155 131 106 894	1,330 606 595 964 1,903	3,670 1,403 1,318 2,861 10,186
Noward. Independencs. Izard Jackson. Jsfferson.	23 44 19 30 75	17 39 18 25 48	4 3 1 3 17	2 2 2 10	808 929 (*) 1,040 3,026	2,395 2,036 (*) 2,641 8,424	5,633 5,228 (*) 5,501 15,118	543 240 (*) 1,404 1,060	877 573 (*) 526 2,488	3,406 1,370 (*) 2,600 8,316
Johnson. Lafayette. Lawrence Les. Lincoln.	33 14 22 13 10	29 10 20 13 10	2 3 1 	1 1	476 308 (*) (*) (*)	1,021 571 (*) (*) (*)	1,608 1,451 (*) (*) (*)	57 (*) (*) (*) (*)	438 531 (*) (*) (*)	1,446 1,466 (*) (*) (*)
Little River	23 22 15 13 6	22 22 13 13 6	.2		(*) 113 (*) (*) (*)	(*) 220 (*) (*) (*)	(*) 315 (*) (*) (*)	(*) 20 (*) (*) (*)	(*) 226 (*) (*) (*)	(*) 476 (*) (*) (*)
Miller. Mississippi. Monroe. Montgomery. Nevads.	31 37 21 13 30	24 22 16 13 29	• 7 13 4	2 1	364 1,056 407 (*) 243	944 2,835 810 (*) 469	1,828 7,058 1,313 (*) 760	86 326 73 (*) 163	570 1,071 257 (*) 713	1,911 6,111 719 (*) 2,170
Newton. Cuachits. Perry: Phillips. Pike	9 80 13 29 31	7 64 13 19 26	2 10 5 4	5	(*) 4,201 (*) 2,147 455	(*) 15,359 (*) 5,282 883	(*) 36,404 (*) 7,534 1,421	(*) 2,239 (*) 172 74	(*) 3,694 (*) 2,839 529	(*) 18,792 (*) 10,007 1,674
Poinsett	15 32 47 20 266	13 25 39 19 175	1 6 6 1 62	1 1 2 92	1,013 (*) 1,056 147 11,649	2,518 (*) 2,195 223 33,913	3,563 (*) 4,789 333 67,971	(*) (*) 111 23 4,023	877 (*) 551 135 8,809	1,747 (*) 1,616 239 39,190
Randolph. St. Francie. Ssline. Scott Searcy.	22 23 37 16 12	20 16 29 12 11	1 6 2 4 1	1 1 6 	(*) 474 3,112 150 (*)	(*) 999 11,658 265 (*)	(*) 1,880 27,665 453 (*)	(*) 106 (*) (*) (*)	(*) 444 1,839 482 (*)	(*) 2,004 7,107 1,945 (*)
SebastianSevisr. Sharp	136 14 8 12 78	81 12 8 12 56	38 1 	17 1 8	6,515 293 (*) (*) 4,020	19,916 '745 (*) (*) 15,255	39,478 1,558 (*) (*) 45,297	2,295 (*) (*) (*) 7,111	5,418 255 (*) (*) 3,812	21,737 700 (*) (*) 27,468
Vsn Buren. Washington. White. Woodruff Ysll.	14 63 50 9 21	13 46 43 7 16	1 11 4 1 4	6 3 1	121 2,091 1,150 (*) 444	187 4,520 2,634 (*) 837	448 9,102 5,614 (*) 1,992	(*) 660 169 (*) 131	109 1,509 564 (*) 295	255 5,743 1,555 (*) 1,121

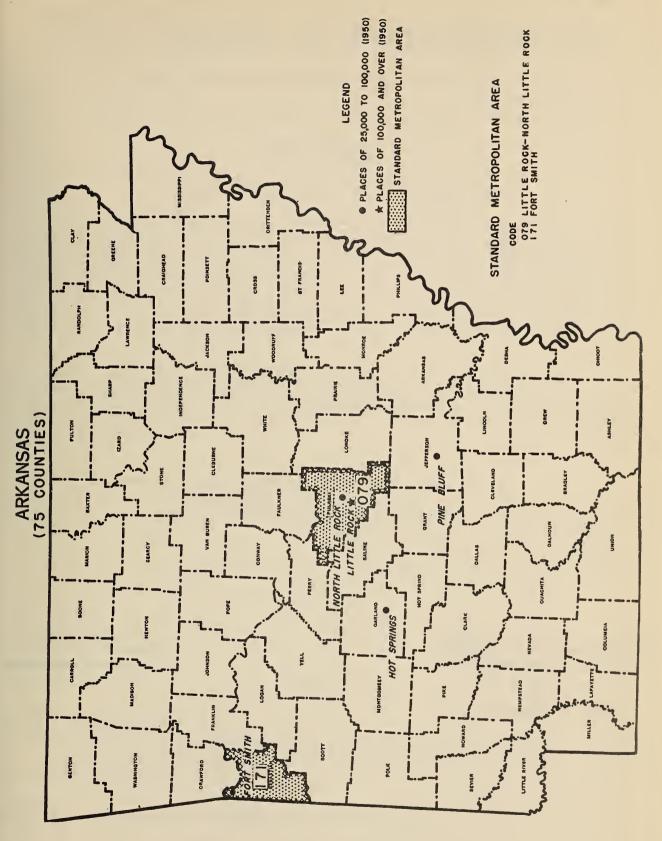
*Detail figures have been withheld from publication in order to (s) swoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported apparately for central administrative offices or suxiliary units (s.g., storage warshouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at s different general location from the astablishment served or if they service more than one manufacturing satablishment. In 1954, the amployment and payroll figures for such central administrative offices and suxiliary units of manufacturers in such standard matropolitan area are shown in the table below. Comparable data for 1947 are not available.

Standard mstropolitan area	Employess (number)	Payroll (\$1,000)	
Fort SmithLittle Rock - North Little Rock	100-250	500-1,000	

²Ths Fort Smith Standard Metropolitan Arss consists of Sebsetian County, Arkansss.
³The Little Rock-North Little Rock Standard Metropolitan Arsa consists of Pulsski County, Arkansss.



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D. C.

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, 8300.

1954 Census of Manufactures

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CALIFORNIA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954						
Number of establishments, total	Number	24,631	17,648	+40						
1-19 employees	do	17,985 4,999 1,647	12,657 3,820 1,171	+42 +31 +41						
All employees ¹ Number Payroll	Thousands	1,026.4 4,6 3 8.1	663.9 2,064.5	+55 +125						
Value added by manufacture	do	8,670.4 550.2	3,995.0 410.5	+117 +34						

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 24.4 thousand employees with a payroll of \$156.0 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and Juze of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

CALIFORNIA

Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY CROUP: 1954 AND 1947 (See text for explanation of column captions)

-						1954			***************************************	1947	
Ind.	Major industry	Total	Number o	of estsbl:	ishments		ployees 1	Value	Cspitsl	All	Vslue
group group group		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Psyrol1 (\$1,000)	sdded by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	sdded by manu- fscture (\$1,000)
	All industries, total*	24,631	.17,985	4,999	1,647	1,026,350	4,638,135	8,670,358	550,242	663,872	3,994,981
20	Food and kindred products ² Textile mill products Apparel and related products Lumber and wood products ³	3,055	1,924	758	373	145,287	599,006	41,401,677	107,371	120,510	851,836
22		193	129	51	13	5,335	19,673	40,557	2,012	5,326	32,349
23		2,189	1,462	627	100	55,794	166,244	271,034	4,814	43,144	188,294
24		2,408	1,832	467	109	57,019	246,331	423,035	33,904	38,484	226,233
25	Furniture and fixtures Pulp, paper, and products Printing and publishing Chemicals and products	1,358	1,078	253	27	22,420	90,847	153,468	3,753	18,454	91,544
26		334	162	110	62	20,695	89,165	183,059	18,365	12,128	80,710
27		2,647	2,231	337	79	52,119	249,496	414,921	14,640	41,914	261,064
28		1,141	826	236	79	32,893	152,373	429,168	28,439	27,350	280,195
29	Petroleum and cosl products	141	84	32	25	20,184	105,615	267,377	106,659	21,472	213,503
31	Leather and leather products	229	160	54	15	5,968	21,401	34,177	1,787	5,790	25,381
32	Stone, clsy, and glass products	1,019	775	171	73	33,798	142,815	300,421	29,161	27,292	154,618
33	Primary metal industries	554	324	155	75	38,883	179,359	353,221	29,564	33,078	184,581
34	Fsbricated metal products	2,503	1,859	500	144	73,314	333,261	586,558	37,240	51,935	282,756
35		2,991	2,403	454	134	67,802	325,435	578,739	25,402	52,489	284,817
36		728	459	179	90	47,192	209,589	384,982	19,242	17,622	106,603
37		1,060	651	258	151	271,392	1,372,545	2,257,038	54,170	132,230	553,686
39		1,456	1,170	240	46	45,770	196,651	340,991	10,324	13,009	62,041

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of s company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general locstion from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of California reported 24,403 amployees with a total payroll of \$155,958 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for spproximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included. In 1954, on the other hand, all such loggers and samills were included in the Census; in addition, only Samills and Planing Mills (Industry 2421) that produced more than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small states.

small mills for individual States.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments are both owned and operated by the government are excluded from manufacturing industries ss defined by the Standard Industrial Classification.) (Establishments which

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 CR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column continua)

	(See text for explanation of column captions)										
		1954									47
Ind.	Major industry group	m-+-7	Number	of estsbl with-	ishments	All employees1		Vslue	Cspitsl	All	Vslue
group		Total number of estab- lishments	of 1-19 20-99 100 or manu- tures,	employees, number	sdded by manu- fscture (\$1,000)						
			LOS ANGELES-LONG HEACH AREA ²								
	All industries, total*	14,492	10,526	3,073	893	636,016	2,922,242	5,117,544	304,439	358,772	2,052,673.
22 23 24 25 26 27 28 29 30 32	Food and kindred products Textile mill products. Apparel and related products. Lumber and wood products. Furniture and fixtures. Prulp, papen, and products. Printing and publishing. Chemicals and products. Rubber products. Rubber products. Stone, clay, and glass products. Primary metal industries.	151 1,653 515 928 207 1,380 692	623 103 1,068 417 719 107 1,164 512 49 81 452 223	245 40 508 91 186 67 180 139 22 40 107	125 8 77 7 23 33 36 41 14 22 40 46	50,604 3,529 43,451 7,061 16,489 11,219 27,044 16,953 11,432 14,957 18,753 20,728	224,518 12,810 130,784 28,457 67,079 47,758 124,700 77,141 59,741 67,390 76,844 88,011	438,409 26,494 211,214; 46,378 112,353 93,177 204,206 211,753 120,581 123,286 146,465 175,480	49,338 1,214 3,712 1,904 2,371 8,656 8,369 15,361 61,893 14,451 12,224 9,815	37,630 3,189 32,964 4,625 13,504 6,508 20,093 12,108 10,925 13,070 13,345 17,007	249,575 18,147 144,860 24,768 67,376 42,858 121,544 120,905 135,802 71,222 66,078 89,924
35 36 37 38 39	Fabricated metal products	2,136 545 840 304	1,287 1,722 342 514 228 792	376 323 139 215 54 196	88 91 64 111 22 35	48,051 46,537 33,403 212,862 11,763 36,953	224,082 227,020 143,558 1,092,532 55,220 161,187	378,612 405,457 237,241 1,794,701 96,930 273,969	20,803 17,774 13,743 45,639 7,532 9,100	32,566 31,179 11,513 79,420 5,789 9,220	171,813 173,207 65,881 403,697 25,564 42,994

Table 3.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 -- Continued

(See text for explanation of column captions)

						1954				19	1947	
Ind.		Totsl	Number	of estable	ishments	All emp	ployees	Vslue	Cspitsl	All	Vslue	
group		number of estsb- lishments	1-19 em-	20-99 em-	100 or more em-	Number	Psyroll	sdded by msnu- fscture	expendi- tures, new	employees, number	sdded by msnu- fscture	
		lisiments	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
			SAN DIEGO AREA ⁶									
	All industries, total*	598	483	89	26	48,069	223,057	394,662	8,188	20,783	101,548	
20	Food and kindred products3	107	72	26	9	4,478	18,342	41,950	1,377	4,470	30,469	
21 22	Tobacco manufactures	•••	•••	•••	•••	•••	•••	•••	•••	:::	•••	
23	Textils mill products	29	21	7	1	870	2,359	3,666	69	451	2,077	
24	Lumber and wood products	33	32	.1	•••	176	691	1,207	61	235	1,372	
25	Furniture and fixtures	42	36 88	6	•••	403	1,657	2,357	329 618	217	965	
27 28	Printing and publishing Chemicals and products	99 22	17	10 3	1 2	1,677 582	7,998 2,693	15,812 10,124	443	1,392 386	8,092 3,634	
32	Stone, clay, and glass products.	30	26	4	•••	252	999	1,903	56	450	2,373	
34	Fabricated metal products	53	47	6	•••	542	2,163	3,958	197	193	698	
35	Machinery, except electrical Electrical mschinery	54 20	49 18	5 1	1	415 423	1,788 1,235	3,407 1,384	134 80	114	412 66	
36 37	Transportation equipment	46	24	11	11	37,160	178,936	300,486	4,586	12,345	49,205	
39	Miscellaneous manufactures	36	30	6		414	1,501	3,052	84	380	1,659	
						SAN FRANC	ISCO - OAKLA	ND AREA7				
	All industries, total*	4,125	2,928	842	355	173,959	798,953	1,677,890	115,277	163,606	1,048,720	
20	Food and kindred products3	620	367	162	91	36,051	158,228	418,264	^25,462	31,583	243,414	
22	Textile mill products	30 396	19 287	7 94	4 15	1,415	5,613	11,547	749	1,918	13,033	
23	Apparel and related products Lumber and wood products	181	149	30	2	8,998 2,067	26,925 8,963	45,823 13,529	833 679	8,480 2,666	38,021 13,760	
25	Furniture and fixtures	240	184	52	4	4,498	18,504	32,581	838	4,313	21,238	
26	Pulp, paper, and products	88	35	31	22	6,589	29,305	63,888	4,898	4,562	29,005	
27	Printing and publishing	618	500	92	26	15,197	81,153	127,538	3,612	14,235	97,102	
28	Chemicals and products	266	176	61	29	11,814	56,137	154,238	8,443	10,501	118,601	
29 30	Petroleum and coal products	22 35	12 23	3 8	7 4	7,705 1,444	40,612 6,528	128,944 11,548	42,658 314	9,439 792	58,381 4,257	
31	Leather and leather products	44	31	9	4	1,458	6,614	10,310	1,187	1,685	7,584	
32	Stone, clay, and glass products.	107	78	17	12	5,132	23,668	48,803	2,778	5,009	30,621	
33	Primary metsl industries	110	55	33	22	11,435	54,468	103,826	3,645	11,152	60,820	
34 35	Fsbricated metal products Machinery, except electrical	435 400	311 299	84 71	40 30	19,459 13,851	91,209 66,182	154,581 121,966	8,760 4,366	15,417 13,961	87,181 75,353	
36	Electrical machinery	109	67	26	16	7,207	34,004	71,514	2,129	4,221	28,220	
37	Transportation equipment	110	65	24	21	14,442	68,726	118,498	3,014	19,829	98,062	
39	Miscellaneous manufactures5	247	215	28	4	4,042	17,468	30,860	631	2,289	11,799	

*Totals include data for industry goup which have been withheld from publication in order to (s) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State. Represents zero.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research isboratories, garsges, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at s different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, the sumployment and payroll figures for such central administrative offices and auxiliary units of manufacturers in each standard metropolitan ares are shown in the table below. Comparable data for 1947 are not available.

Standard Metroplitan Area	Employees (number)	Payroll (\$1,000)
Los Angeles-Long Beach	7,661 250-500 12,078	49,001 25 0 0-5000 82,976

*The Los Angeles-Long Beach Standard Metropolitan Area consists of: Los Angeles and Orange Counties California.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individuals standard metropolitan areas.

41954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills wers included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual standard metropolitan areas.

Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which see both owned and operated by the goverment are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

The San Prancisco-Oskland Standard Metropolitan Area consists of: San Diego County, California.

The San Francisco-Oskland Standard Metropolitan Area consists of: Alameda, Contra Costa, Marin, San Francisco, San Mateo, and Solano Counties, California.

California.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)										
1					1954			1947		
Standard metropolitan area and county	Total number of estab- lishments		of establ with— 20-99 em- ployees	100 or more em- ployees	All em	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)
California, total	24,631	17,985	4,999	1,647	1,026,350	4,638,135	8,670,358	550,242	663,872	3,994,981
Fresno area ² . Los Angeles-Long Beach area ³ . Sacramento area ⁴ . San Bernardino-Riverside-Ontario area ⁵ . San Diego area ³ . San Francisco-Oakland area ³ . San Jose area ⁶ . Stockton area ⁷ .	388 14,492 293 580 598 4,125 569 267	276 10,526 220 466 483 2,928 406 178	87 3,073 48 80 89 842 96 56	25 893 25 34 26 355 67 33	12,714 636,016 10,918 21,100 48,069 173,959 27,687 11,006	50,670 2,922,242 46,814 86,648 223,057 798,953 115,046 45,019	115,669 5,117,544 110,925 204,092 394,662 1,677,890 257,915 106,692	3,878 304,439 11,462 29,102 8,188 115,277 19,278 5,016	7,519 358,772 8,320 15,600 20,783 163,606 18,389 9,861	57,268 2,052,671 52,512 103,421 101,548 1,048,720 116,810 65,610
COUNTIES										
Alameda Alpine Amador Butte Calaveras	1,407 12 18 113 27	946 8 13 86 21	303 3 4 20 3	158 1 1 7 3	67,944 (*) 522 2,989 995	308,798 (*) 2,293 11,660 4,763	655,173 (*) 4,074 21,840 10,223	27,814 (*) (*) 818 922	66,322 (*) 444 2,606 1,176	409,206 (*) 4,495 15,021 7,293
Colusa Contra Costa Del Norte El Dorado Fresno	8 234 79 63 388	7 145 53 46 276	1 37 21 14 87	52 5 3 25	(*) 28,416 2,380 1,361 12,714	(*) 139,134 10,628 5,330 50,670	(*) 351,364 20,701 9,276 115,669	(*) 51,960 1,374 755 3,878	(*) 24,316 332 1,524 7,519	(*) 155,142 1,809 8,493 57,268
Glenn. Humboldt. Imperial. Inyo. Kern.	25 484 71 7 168	18 365 56 6 133	5 95 13 ••• 24	2 24 2 1 11	603 12,851 1,362 (*) 3,074	2,138 58,327 5,733 (*) 13,615	3,911 107,140 16,339 (*) 32,376	252 10,486 787 (*) 2,478	192 5,872 954 (*) 2,904	942 36,369 5,168 (*) 27,607
Kings. Lake. Lassen Los Angeles Madera	36 23 18 13,957 42	22 20 11 10,119 33	14 3 4 2,977	3 861 2	740 177 1,738 621,373 724	3,014 666 7,984 2,863,032 2,885	7,726 1,096 11,650 5,012,555 6,176	401 48 (*) 290,468 400	872 150 2,758 352,672 700	6,325 697 14,056 2,021,513 8,779
Marin. Mariposa. Mendocino. Merced. Modoc.	92 6 267 70 19	80 5 204 50 15	11 1 51 17 3	1 12 3 1	1,154 (*) 6,438 1,619 377	4,943 (*) 28,551 5,551 1,490	10,338 (*) 49,904 16,270 2,380	822 (*) 4,690 1,092 (*)	744 (*) 2,463 1,177	3,333 (*) 13,386 6,739 5,397
Mono. Monterey. Napa. Nevada. Orange.	16 143 57 61 535	9 107 42 53 407	3 30 13 8 96	4 6 2 32	(*) 3,122 1,718 635 14,643	(*) 11,733 6,801 2,542 59,210	(*) 20,618 12,038 4,168 104,989	(*) 3,691 452 511 13,971	(*) 4,093 (NA) 530 6,100	(*) 20,169 (NA) 3,010 31,158
Placer. Plumas. Riverside. Sacramento. San Benito.	50 38 209 293 13	42 21 171 220 9	5 11 25 48 2	3 6 13 25 2	1,265 1,832 8,526 10,918 544	5,139 7,165 35,099 46,814 1,932	9,912 12,700 68,693 110,925 4,496	494 434 3,451 11,462 (*)	1,329 1,839 4,414 8,320 322	5,859 13,300 27,626 52,512 1,664
San Bernardino San Diego San Francisco San Joaquin San Luis Obispo	371 598 1,910 267 39	295 483 1,398 178 33	55 89 406 56 6	21 26 106 33	12,574 48,069 57,689 11,006 414	51,549 223,057 258,409 45,019 1,401	135,399 394,662 500,789 106,692 2,414	25,651 8,188 26,745 5,016	11,186 20,783 61,539 9,861 257	75,795 101,548 409,556 65,610 1,427
San Nateo Santa Barbara Santa Clara Santa Cruz Shasta	419 126 569 100 113	312 106 406 75 81	73 15 96 17 26	34 5 67 8 6	16,891 2,456 27,687 2,700 3,540	80,023 10,087 115,046 9,158 15,730	142,781 16,126 257,915 18,957 25,504	7,465 1,616 19,278 3,086 3,086	9,430 1,717 18,389 1,590 1,264	60,228 14,150 116,810 8,619 8,845
Sierra. Siskiyou. Solano. Sonoma. Stanislaus.	10 94 63 271 177	6 66 47 214 124	2 21 12 47 32	2 7 4 10 21	700 3,766 1,865 4,687 6,876	2,783 15,792 7,646 16,383 24,978	4,934 25,693 17,445 34,163 65,640	(*) 2,663 471 3,129 2,535	518 3,456 1,255 2,900 5,278	(*) 21,118 11,255 19,146 31,727

See footnotes at end of table.

CALIFORNIA

Table 4.-GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

		1947								
Standard metropolitan area and county		Number	of establ	ishments	All em	ployees	Value	Capital	A11	Value
	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
COUNTIESContinued										
Sutter. Tebama Trinity Tulare Tulare	30 37 48 141 29	23 23 39 105 23	5 11 8 29 4	2 3 1 7 2	616 1,022 701 2,960 1,060	2,224 4,532 2,806 10,598 5,574	4,592 8,291 5,255 23,584 8,883	215 247 470 1,013 488	363 605 366 2,663 1,351	2,563 3,708 2,207 22,358 9,343
Ventura. YoloYuba.	88 48 34	66 35 28	16 10 4	6 3 2	2,623 1,333 764	11,905 5,282 3,394	20,329 15,554 5,422	1,241 692 335	1,575 1,202 670	8,354 13,214 4,748

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

NA Comparable data for 1947 not available.

1 n addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Fresno. Sacramento. San Bernardino-Riverside-Ontario. San Jose. Stockton.	2,500-5,000 250-500	100-250 50-100 10,000-25,000 2,500-5,000 250-500

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

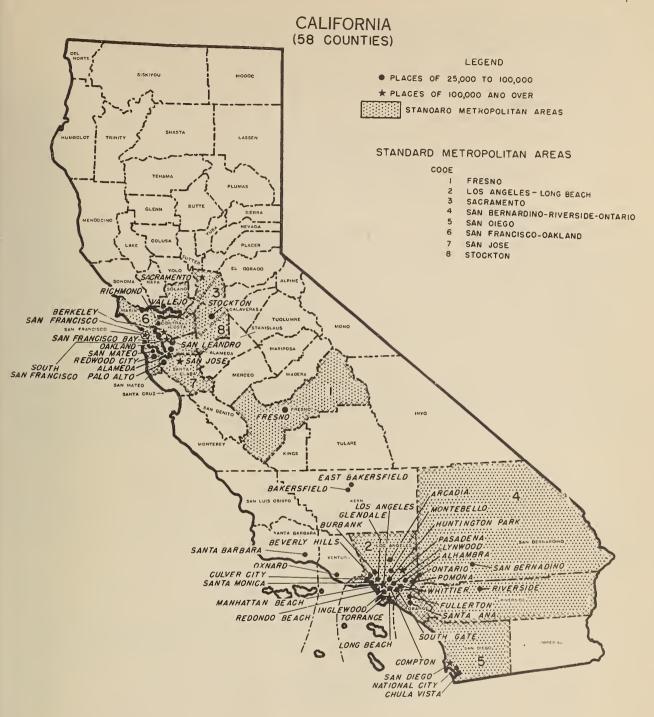
The Fresno Standard Metropolitan Area consists of Fresno County, California.

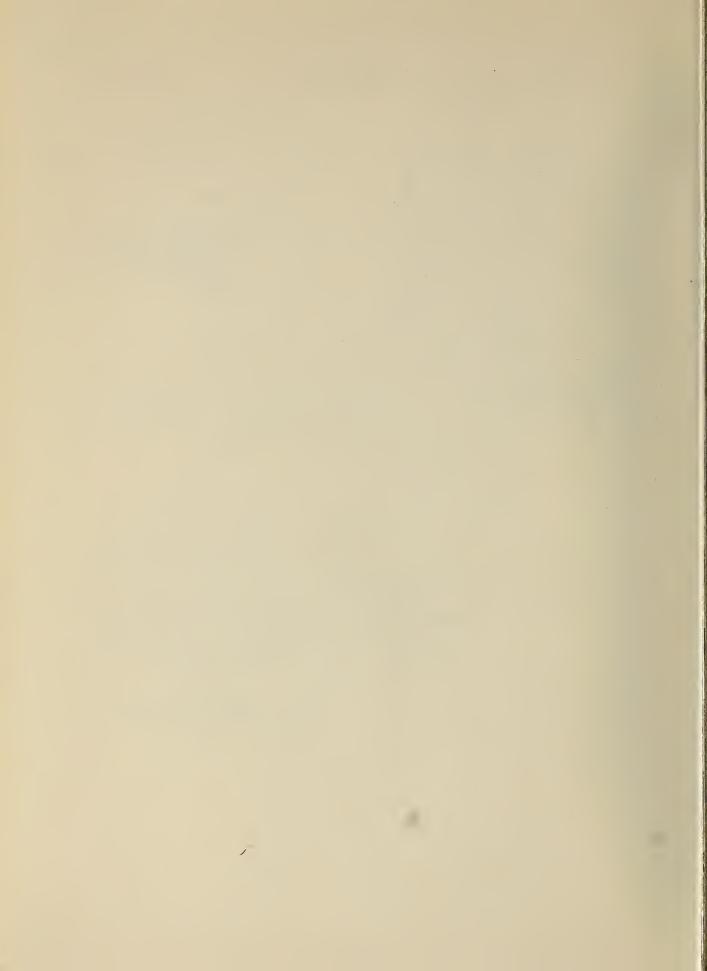
Por definitions of standard metropolitan areas, and the central administrative office and auxiliary units employment and payroll for these areas, For definitions of standard metropolitan areas, and the tentral administrative formula and standard metropolitan areas, and the tentral administrative formula.

The Sacramento Standard Metropolitan Area consists of Sacramento County, California.

The San Bernardino-Riverside-Ontario Standard Metropolitan Area consists of San Bernardino and Riverside Counties, California.

The Stockton Standard Metropolitan Area consists of San Joaquin County, California.





June 1956

Series:

MC-S5

COLORADO

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	2,089	1,602	+30
1-19 employees	do	1,597 374 118	1,177 323 102	+36 +16 +16
All employees 1 Number Payroll	Thousands Million dollars	63.2 247.2	54.1 144.2	+17 +71
Value added by manufacture	do	471.5 30.0	286.8 32.2	+64 -7

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 1.8 thousand employees with a payroll of \$9.2 million in 1954. (See footnote 1, to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sincles Weeks, Secretary.

EXPLANATION OF TERMS

Establishments. -- A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.</u>.-This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captiona)

						1954				1947	
Ind.	Major industry	Total	Number	of establ	ishments	All em	ployees	Value	Capital	A11	Value
group	group	number of estab- lishments	1-19 em- ployeea	20-99 em- ployees	100 or more em- ployeea	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employeea, number	added by manu- facture (\$1,000)
	All industries, total*	2,089	1,597	374	118	63,154	247,237	471,507	30,031	54,071	286,774
20	Food and kindred products ² Apparel and related products Lumber and wood products ³	511	351	114	46	16,870	61,768	122,628	8,656	15,295	92,675
23		66	42	21	3	1,880	4,689	6,971	124	1,632	5,234
24		279	248	26	5	2,912	8,496	12,959	1,953	2,282	8,106
25	Furniture and fixtures	90	74	16	10 4	876	3,160	5,194	145	672	2,655
27	Printing and publishing	342	297	35		5,927	24,095	39,553	2,411	4,596	22,386
28	Chemicals and products	95	74	17		3,154	14,444	33,089	2,824	1,275	8,271
29	Petroleum and coal products	16	8	6	2	873	3,914	11,036	(*)	791	9,607
31	Leather and leather products	19	13	5	1	1,785	8,286	17,864	(*)	1,180	4,370
32	Stone, clay, and glass products	113	84	21	8	2,981	11,377	24,200	1,835	2,430	11,966
33	Primary metal industries	38	23	5	10	7,808	32,868	66,421	2,748	7,880	37,395
34		134	100	29	5	2,620	10,789	18,107	1,235	2,326	11,261
35		149	113	27	9	4,330	18,322	31,646	1,384	4,416	22,132
37	Transportation equipment Instruments and related products Miscellaneous manufactures4	24	15	6	3	865	3,327	5,374	116	751	3,518
38		36	30	4	2	741	2,631	4,635	188	360	1,737
39		123	95	24	4	2,812	10,081	17,571	540	1,804	6,204

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Colorado reported 1,786 employees with a total payroll of \$9,186 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment are controlled as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of

²The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

³1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Flaning Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual States.

⁴Includes privately owned and/or operated establishments classified in Major Industry Croup 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

COLORADO

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

	T					or cordini ca						
						1954				19	47	
Ind.		Total	Number	of establ	ishments	All employees		Value	Capital	All	Value	
code		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture	
			projects	projects	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
			DENVER AREA ²									
	All industries, total*	1,075	753	245	77	40,761	166,840	311,545	17,793	34,847	183,713	
20 23 24	Food and kindred products ³ Apparel and related products Lumber and wood products ⁴	184 56 39	99 33 30	56 21 5	29 2 4	10,439 1,686 986	41,068 4,278 3,444	79,889 6,141 4,975	5,084 117 245			
25 27 25	Furniture and fixtures	63 188 67	47 163 49	16 18 16	 7 2	778 4,103 2,588	2,913 17,871 12,127	4,795 28,279 30,176	132 2,013 504	(NA)	(NA)	
32 5 3 34	Stone, clay, and glass products. Primary metal industries Fabricated metal products	52 28 96	37 18 70	10 5 22	5 5 4	1,808 1,053 2,080	7,020 4,079 8,778	11,216 8,152 13,874	1,165 231 1,085			
35 36 39	Machinery, except electrical Electrical machinery Miscellaneous manufactures ⁵	100 17 91	72 11 67	22 6 21	6 3	3,403 293 2,437	14,863 1,019 8,932	25,738 1,841 15,847	968 (*) 448			

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

State.

...Represents zero.

Not available.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns of ten reported seperately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the Denver Standard Metropolitan Area reported 1,634 employees with a total payroll of \$8,387 thousand. Comparable data for 1947 are not available.

The Denver Standard Metropolitan Area consists of Adams, Araphoe, Denver, and Jefferson Counties, Colorado.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

'1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2421) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet accoun

Jogors and small mills for individual standard metropolitan areas.

Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 (See text for explanation of column captions)

	1954				1947					
		Number	of eatabl with-	iahmenta	All em	ployees	Value	Conitol		Velue
Standard metropolitan area and county	Total number of estab- lishments	em-	20-99 em- ployeea	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	Capital expendi- turea, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)
Colorado, total	2,089	1,597	374	118	63,154	247,237	471,507	30,031	54,071	286,774
STANDARD METROPOLITAN AREAS		_,_,		113	05,154	241,231	4/1,50/	30,031	54,071	200,774
Denver ¹	1,075 87	753 61	245 17	77 9	40,761 8,672	166,840 36,193	311,545 72,915	17,793 3,024	34,288 8,274	183,713 38,536
Adams. Alamosa. Arapahoe Archuleta. Baca.	48 12 61 12 2	28 12 40 10 2	13 17 2	7 4	2,252 (*) 2,453 129 (*)	9,467 (*) 10,485 266 (*)	29,801 (*) 16,323 463 (*)	1,127 (*) 696 (*) (*)	1,218 (*) 1,318 106 (*)	10,385 (*) 4,632 291 (*)
Bent. Boulder. Chaffee Cheyenne. Clesr Creek	8 80 11 1 8	7 66 10 1 7	1 12 1	 2 1	(*) 1,067 (*) (*) 130	(*) 3,508 (*) (*) (*) 493	(*) 7,399 (*) (*) 674	(*) 1,041 (*) (*) (*)	(*) 936 (*) (*)	(*) 6,507 (*) (*) (*)
Cone jos. Costilla. Crowley. Custer. Delta.	10 2 6 5	10 2 4 5 17	 2 		(*) (*) (*) (*) 372	(*) (*) (*) (*) 1,013	(*) (*) (*) (*) 1,452	(*) (*) (*) (*) (*)	(*) (*) (*) (*) 345	(*) (*) (*) (*) 1,679
Denver. Dolores. Douglas. Eagle. Elbert.	906 5 4 16 4	633 5 3 15 4	210 1	63 1	33,660 (*) (*) (*) (*)	135,861 (*) (*) (*) (*)	238,756 (*) (*) (*) (*) (*)	13,847 (*) (*) (*) (*)	30,876 (*) (*) (*) (*)	162,391 (*) (*) (*) (*) (*)
El Paso. Fremont. Garfield. Gilpin. Grand.	125 27 11 1 20	100 23 11 1 1	17 3 	8 1 	2,835 463 (*) (*) 166	9,788 1,639 (*) (*)	18,743 5,657 (*) (*) 864	706 374 (*) (*)	1,642 338 (*) (*) 152	5,563 2,428 (*) (*) 507
Gunnison Hinsdale. Huerfano Jackson. Jefferson.	12 10 14 60	12 9 11 52	 1 2 5	 1 3	(*) (*) (*) 250 2,396	(*) (*) (*) 815	(*) (*) (*) 1,253 26,665	(*) (*) (*) (*) 2,123	(*) (*) (*) 219 876	(*) (*) (*) 758 6,305
Kiowa. Kit Carson. Lake. La Plata. Larimer.	1 4 9 24 74	1 4 8 21 60	 3 10	1 	(*) (*) (*) 294 1,166	(*) (*) (*) 924 3,783	(*) (*) (*) 1,683 10,021	(*) (*) (*) 299 450	(*) (*) (*) 251 1,211	(*) (*) (*) 1,110 10,653
Las Animas. Lincoln Logan, Mesa Mineral	27 3 15 53 2	22 3 10 43	5 4 10	1	224 (*) 322 673 (*)	672 (*) 1,114 2,176 (*)	923 (*) 1,732 4,378 (*)	31 (*) (*) 199 (*)	417 (*) 291 679 (*)	1,135 (*) 2,100 2,541 (*)
Moffat. Montezuma Montrose Morgan Otero	4 17 18 18 42	4 14 17 13 35	3 1 2 6	 3 1	(*) 175 116 (*) (*)	(*) 500 290 (*) (*)	(*) 691 507 (*) (*)	(*) (*) (*) (*)	(*) 208 85 (*) (*)	(*) 712 438 (*) (*)
Ouray. Park Phillips. Pitkin. Prowers.	1 5 3 4 22	1 5 3 2 16	2 6	•••	(*) (*) (*) (*) 313	(*) (*) (*) (*) 926	(*) (*) (*) (*) 1,833	(*) (*) (*) (*)	(+) (*) (*) (*) 358	(*) (*) (*) (*) 2,490
Pueblo. Rio Blanco. Rio Grande. Routt. Saguache.	87 2 14 17 7	61 2 12 16 7	17 2. 1	9	8,672 (*) 235 105 (*)	36,193 (*) 659 233 (*)	72,915 (*) 831 559 (*)	3,024 (*) (*) (*) (*)	8,274 (*) 104 88 (*)	38,536 (*) 504 312 (*)
San Juan. San Miguel Sedgwick. Summit. Teller.	3 11 8 4 8	3 10 '7 4 8	1 	1 	(*) (*) 145 (*) (*)	(*) (*) 537 (*) (*)	(*) (*) 1,608 (*) (*)	(*) (*) (*) (*)	(*) (*) 216 (*) (*)	(*) (*) 1,795 (*) (*)
Washington. Weld. Yuma. *Detail figures have been withheld from	1 76 4	1 60 3	11 1	5	(*) 1,563 (*)	5,218 (*)	(*) 9,803 (*)	(*) 2,438 (*)	(*) 1,282 (*)	(*) 9,569 (*)

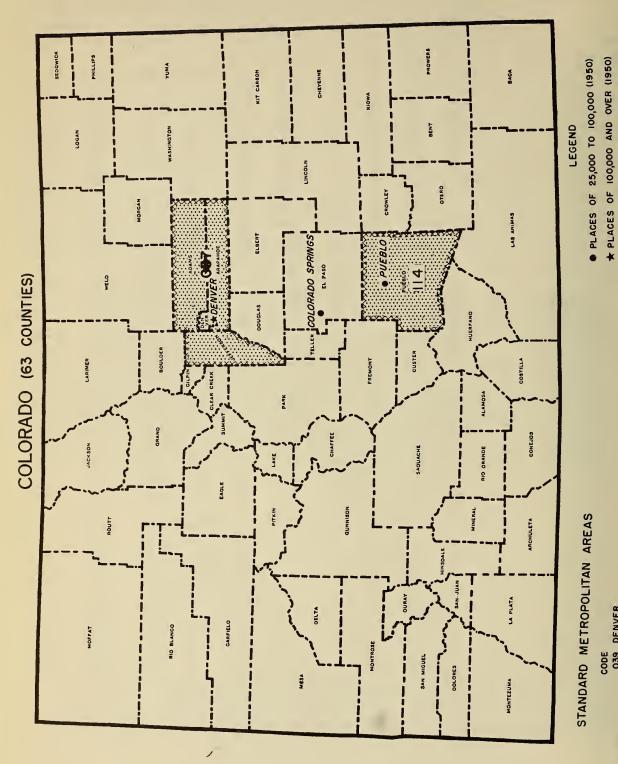
*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for amaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

For definitions of standard metropolitan areas, and the central administrative office and auxiliary unit employment and payroll for these areas, see Table 3 footnotes.

see Table 3 footnotes.

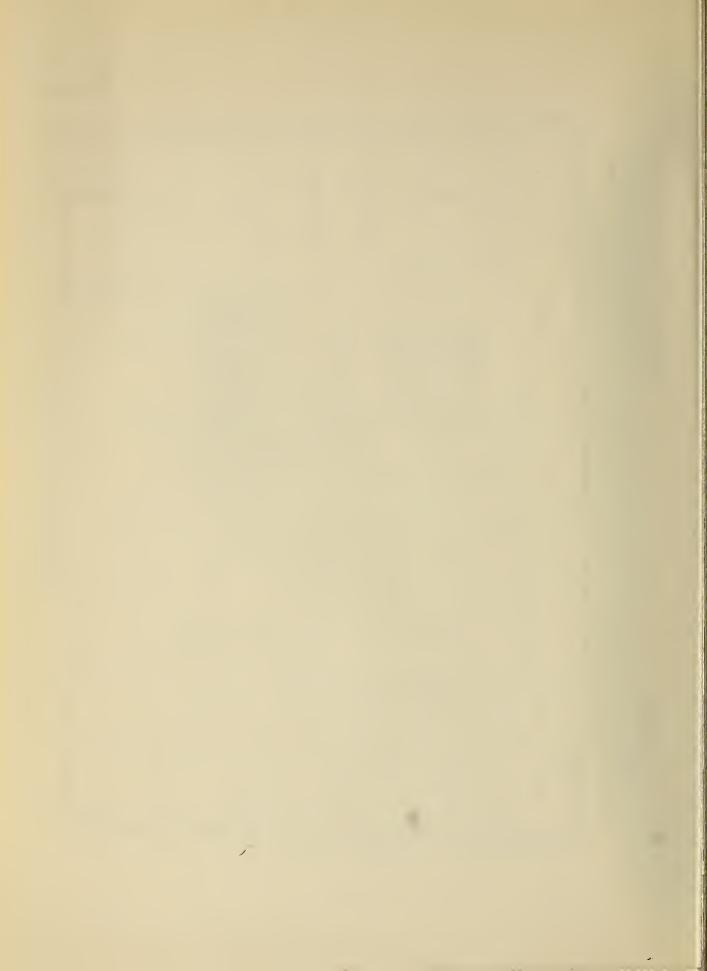
The Pueblo Standard Metropolitan Area consists of Pueblo County, Colorado. There were no central administrative offices or auxiliary units located in the Pueblo Standard Metropolitan Area. (For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)



CODE 039 DENVER 114 PUEBLO

STANDARD METROPOLITAN AREAS





May 1956

Series:

MC-S6

CONNECTICUT

SUMMARY STATISTICS FOR THE STATE, ITS METROPOLITAN STATE ECONOMIC AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

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Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947
(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	5,116	3,946	+30
1-19 employees	do	3,255 1,212 649	2,308 1,029 609	+41 +18 +7
All employees Number	Thousands Million dollars	413.8 1,717.3	400.0 1,149.3	+4
Value added by manufacture	do	2,868.3 131.7	1,896.7 116.2	+51 +13



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

EXPLANATION OF TERMS

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All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

Payroll.--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture.—This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

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1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY CROUP: 1954 AND 1947

(See text for explanation of column cautions)

	(See least for explanation of column captions)												
						1954				19	47		
Ind.	Major industry	Total	Number o	of establi	shments	All emp	loyees ¹	Value	Capital	All	Value		
group	group	of estab- lish- ments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)		
	All industries, total	5,116	3,255	1,212	649	413,833	1,717,269	2,868,312	131,651	399,955	1,896,711		
20 22 23 24 25 26	Food and kindred products ² Textile mill products. Apparel and related products. Lumber and wood products ³ Furniture and fixtures. Pulp, paper, and products.	221 384 169 157	427 71 174 152 121 49	109 83 173 14 31	23 67 37 3 5 23	12,434 26,538 17,430 1,598 3,217 8,260	49,065 92,776 46,795 5,256 11,657 35,925	93,003 138,059 75,895 8,596 17,647 59,462	4,769 4,522 810 359 939 4,195	2,206 38,852 16,157 1,427 2,403 7,533	48,548 174,497 60,938 5,494 8,918 41,446		
27 28 30 31 32	Printing and publishing Chemicals and products Rubber products Leather and leather products Stone, clay, and glass products.	459 162 57 44 132	348 116 24 21 89	82 27 17 16 34	29 19 16 7 9	13,711 9,946 13,052 2,310 4,901	60,219 44,612 53,443 6,801 20,543	92,164 126,931 94,409 8,975 32,629	4,252 8,247 7,452 287 1,912	11,078 7,707 10,558 1,572 5,804	67,081 52,329 56,266 6,358 28,473		
33 34 35 36 37 38 39	Primary metal industries. Fabricated metal products Machinery, except electrical. Electrical machinery Transportation equipment Instruments related products. Miscellaneous manufactures ⁴	765 858 210 145	91 513 608 87 85 50 202	53 173 161 66 28 22 81	52 79 89 57 32 33 67	27,780 42,683 72,088 31,713 65,732 17,832 41,794	124,596 174,344 323,277 125,369 306,635 70,357 162,210	219,094 276,886 551,930 223,464 450,174 123,896 268,410	16,269 11,542 25,298 7,200 16,615 5,322 11,292	35,014 56,210 77,650 33,537 29,465 18,639 37,365	164,506 244,876 384,826 166,134 120,142 83,973 177,000		

¹ In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops), which serve the manufacturing establishments of a comparate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Connecticut reported 6,841 employees with a total payroll of \$28,836 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major industry group 20, "Food and kindred products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

1954 Census totals for Major industry group 24, "Tumber and wood products," are not strictly comparable with 1947 data. In 1947, Logging camps and contractors (Industry 2411) were not included. In 1954, on the other hand, all such loggers and samilist were included in the Census; in addition, only Sawmills and planting mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and samilist were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major industry group 24, "Lumber and wood products," in 1954. No estimate has been made of the impor

Table 3. --GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

		1954							19	47	
Ind. group		Total number of		f establi	shments	All emp	loyees	Value added by manu-	Capital expendi- tures,	All employees,	Value added by manu-
code	major industry group	estab-	1-19 em- ployees	20-99 em- ployees	or more	Number	Payroll	fac ture	new	number	facture
			proyees	proyees	ployees		(\$1,000)	(\$1,000)	(\$1,000)	<u> </u>	(\$1,000)
					BR	IDGEPORT AND	STAMFORD-NO	RWALK AREA1			
	All industries, total	1,480	911	386	183	105,374	447,269	803,078	28,559	112,555	561,112
20 22	Food and kindred products ⁴ Textile mill products	108	74 26	29 28	5 14	3,007 5,756	12,005 19,424	24,264 28,569	963 510	2,051 9,081	10,934 45,443
23	Apparel and related products	133	59	61	13	6,645	18,880	34,172	249	5,861	24,006
24	Lumber and wood products ⁵ Furniture and fixtures	36 : 37	33 31	3 5	1	265 508	818 1,791	1,104 2,635	56 43	370 369	2,493 1,529
25 26	Pump, paper, and products	27	13	12	2	1,266	5,032	7,772	278	1,267	5,997
27	Printing and publishing	131	99	24	8	4,534	21,742	30,203	1,708	4,098	31,720
28 30	Chemicals and products	58 20	41 5	8	9	3,383 3,097	13,937 13,218	35,056 23,559	990	2,695 2,819	23,735 2,163
31	Leather and leather products	21	8	9	4	1,227	3,775	5,076	167	1,144	4,472
32	Stone, clay, and glass products	33	. 25	6	2	1,881	8,879	13,371	838	1,991	9,181
33 34	Primary metal products	66 175	33 116	19 39	14 20	7,720 8,164	34,956 33,785	60,996 55,318	4,809 2,083	9,197 13,666	45,532 55,012
35	Machinery, except electrical	282	195	62	25	20,378	98,163	188,025	6,278	19,609	108,711
36 38	Electrical machinery	76 44	30 21	25 12	21 11	13,533 4,950	56,709 21,734	111,736 41,078	3,211	16,001 2,770	86,380
39	Miscellaneous manufactures6	114	71	28	15	7,506	29,713	60,701	2,087 1,596	8,696	15,115 39,658
	All industries, total	1,185	795	245	145	132,943	571,415	886,932	43,760	113,820	525,706
20	Food and kindred products4	161	120	33	8	3,728	14,633	25,999	1,519	2,379	13,447
23	Apparel and related products	42	23 28	12	7	2,034 435	5,798	9,890	137 76	2,212 380	9,298
24 25	Lumber and wood products ⁵ Furniture and fixtures	32 47	35	11	1	790	1,859 3,189	2,980 5,236	373	492	1,743 2,342
26	Pulp, paper, and products	27	13	9	. 5	1,818	7,818	13,856	1,521	1,773	8,703
27 28	Printing and publishing	117 29	85 18	24 8	8	3,624 1,317	15,441	24,755	1,238 674	2,652	14,429
31	Chemicals and products Leather and leather products	7	10	o 1	•••	111	5,332 411	12,062	26	1,429	6,973 416
32	Stone, clay, and glass products	22	13	7	2	794	3,171	5,097	331	1,431	9,268
33 34	Primary metal products Fabricated metal products	38 203	23 136	7 44	8 23	2,737 17,139	12,513 70,251	20,523	1,506 4,766	2,916 19,986	15,116 90,209
35	Machinery, except electrical	257	174	45	38	33,630	144,470	228,364	12,127	38,175	175,638
39	Miscellaneous manufactures6	64	45	11	8	4,557	16,944	32,022	1,341	3,923	14,361
							AND WATERBUR			1	
	All industries, total	1,472	952	340	180	110,616	453,028	775,121	37,217	110,611	530,834
20	Food and kindred products4	162	125	27	10	4,155	17,289	32,110	1,692	2,936	18,946
22 23	Textile mill products	23 155	10 67	6 77	7	1,556 6,712	5,901 17,062	12,250 25,018	434 279	1,407 7,024	5,881 26,318
24	Lumber and wood products5	31	28	2	1	300	719	1,264	57	217	731
25 26	Furniture and fixtures	46 28	35 13	10	1 6	832 2,488	3,011 11,710	4,628 18,342	111 1,456	502	2,203
27	Pulp, paper, and products Printing and publishing	136	103	23	10	4,131	17,500	26,951	920	2,346 3,475	14,478
28	Chemicals and products	44	35	6	3	3,163	16,229	47,768	1,831	2,906	18,725
32 33	Stone, clay, and glass products Primary metal products	45 71	28 26	14 21	3 24	1,163	4,486 66,629	7,731	583 6,544	1,158 20,317	4,817 93,341
34	Fabricated metal products	266	186	55	25	10,954	45,059	71,557	2.847	17,092	75,774
35	Machinery, except electrical	202	153	34	15	11,415	52,055	84,431	4,866	11,535	57,079
36 38	Electrical machinery	48 27	24 12	12	12	5,335 5,453	20,754	38,947 36,816	1,110 1,618	5,158 7,617	24,056 28,108
39	Miscellaneous manufactures6	120	65	27	28	22,877	90,827	136,397	6,534	18,309	95,719

.Represents zero.

The Bridgeport and Stamford-Norwalk Metropolitan State Economic Area, consisting of Fairfield county, Connecticut is a whole county approximation to the Bridgeport and Stamford-Norwalk Standard Metropolitan Areas which are defined on a city-and-town basis. (See the discussion on New England STAL's in the "Standard Metropolitan Areas" section of the release text.)

The Hartford and New Britain-Bristol Metropolitan State Economic Area, consisting of Hartford county, Connecticut is a whole county approximation to the Hartford and New Britain-Bristol Standard Metropolitan Areas which are defined on a city-and-town basis. (See the discussion on New England SMA's in the "Standard Metropolitan Areas" section of the release text.)

to the Hartford and New Britain-Bristol Standard Metropolitan Areas which are defined on a city-and-town basis. (See the discussion on New England SMA's in the "Standard Metropolitan Areas" section of the release text.)

The New Haven and Waterbury Metropolitan State Economic Area, consisting of New Haven county, Connecticut is a whole county approximation to the New Haven and Waterbury Standard Metropolitan Areas which are defined on a city-and-town basis. (See the discussion on New England SNA's in the "Standard Metropolitan Area" section of the release text.)

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 24:11) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 24:21) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made for the importance of these loggers and amall mills for individual States.

**Includes privately owned and/or operated establishments classified in Industry Group 19, "Ordnance and Accessories." (Establishments which are

Includes privately owned and/or operated establishments classified in Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

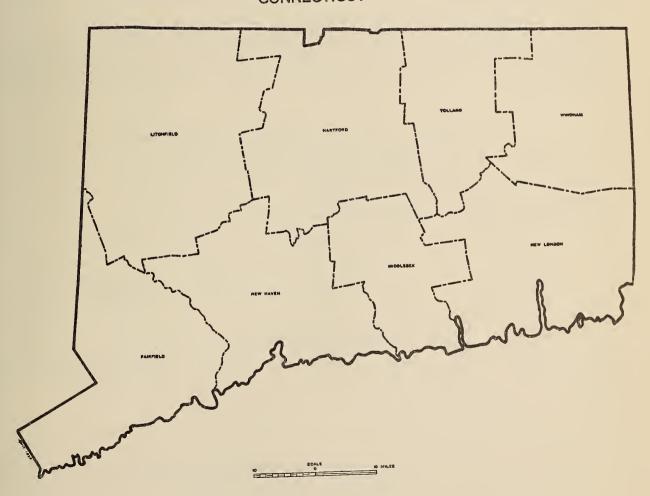
Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

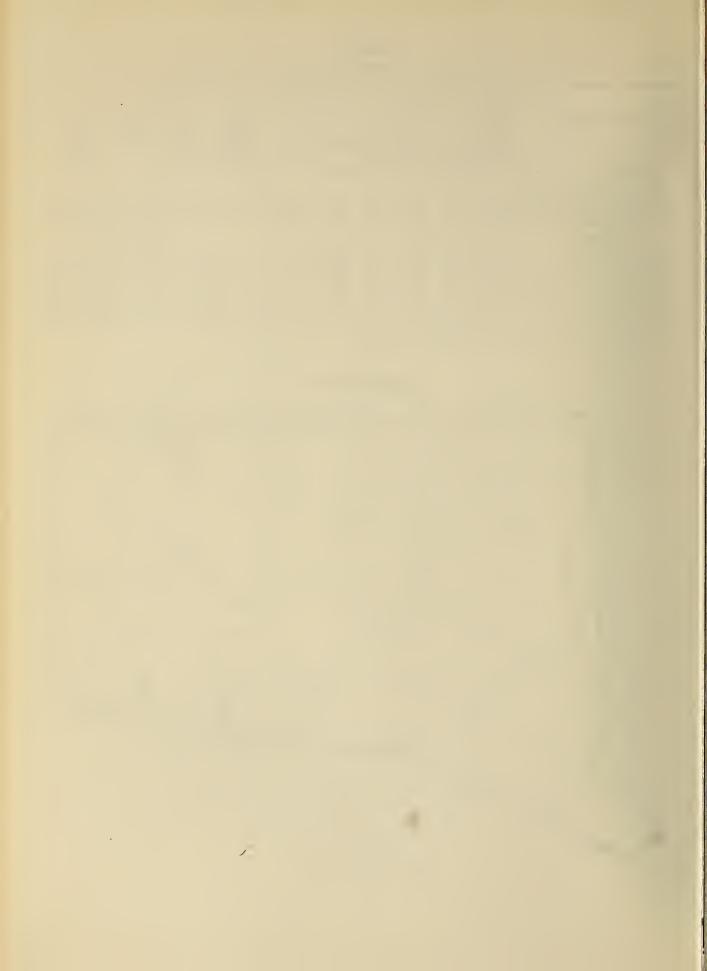
(See text for explanation of column captions)

(Oct Devi 201 Capitalington of Goldan Capitaling											
					1954				19	47	
Standard metropolitan	Total number	Number	of establi	shments	All emp	oloyees	Value	Capital	A11	Value	
area and county	of estab- lish- ments	1-19 em- ployees.	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)	
Connecticut, total	5,116	3,255	1,212	649	413,833	1,717,269	2,868,312	131,561	399,955	1,896,711	
METROPOLITAN STATE ECONOMIC AREAS ¹											
Bridgeport and Stamford-Norwalk area Hartford and New Britain-Bristol area. New Haven and Waterbury area		911 795 952	386 245 340	183 145 180	105,374 132,943 110,616	447,269 571,415 453,028	803,078 886,932 775,121	28,559 43,760 37,217	112,555 113,820 110,611	561,112 525,706 530,834	
COUNTIES											
Fairfield Hartford Litchfield Mdddlesex New Haven New London Tolland Windham	1,480 1,185 267 223 1,472 286 77	911 795 180 132 952 170 49 66	386 245 50 69 340 70 18	183 145 37 22 180 46 10 26	105,374 132,943 16,852 10,105 110,616 22,608 2,989 12,339	447,269 571,415 64,010 38,086 453,028 91,684 10,481	803,078 886,932 105,293 69,128 775,121 146,293 18,946 63,518	28,559 43,760 7,429 2,489 37,217 9,629 597 1,967	112,555 113,820 18,205 10,544 110,611 17,900 4,272 12,048	561,112 525,706 85,360 42,791 530,834 79,354 22,671 48,883	
windham	126	00	34	26	12,339	41,291	63,518	1,967	12,048	40,000	

¹For definitions of the areas, see Table 3, footnotes.

CONNECTICUT





May 1956

Series:

MC-S7

DELAWARE

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREA, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947 (See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	558	483	+16
1-19 employees	do	351 123 84	288 115 80	+22 +7 +5
All employees Number Payroll	Thousands	39.1 149.5	34.7 92.9	+13 +61
Value added by manufacture	do	354.0 24.2	183.1 21.1	+93 +15



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

Payroll. --This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Table 2. —GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

		-									
					_	1954				19	147
Ind.	Major industry	Total	Number of establishments with—		ishments	All employees1		Value added by	Capital expendi-	All	Value added by
code		number of estab- lishments	1-19 em-	20 - 99 em-	100 or more em-	Number	Payroll	manu- facture	tures,	employees,	manu- facture
			ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total*	558	351	123	84	39,067	149,515	354,044	24,171	34,738	183,073
20	Food and kindred products2	143	81	40	22	5,715	16,305	35,858	4,463	5,140	22,591
22	Textile mill products	31	19	8	4	2,696	9,536	16,450	504	2,772	12,320
23	Apparel and related products	33	12	11	10	3,194	7,029	21,738	616	2,480	11,269
26	Pulp, paper, and products	12	2	6	4	872	3,435	8,394	(*)	819	8,050
28	Chemicals and products	35	21	4	10	5,938	27,181	101,153	9,772	7,040	59,863
31	Leather and leather products	12	3	3	6	1,994	7,463	12,026	(*)	3,076	15,901
32	Stone, clay, and glass products	28	21	6	1	522	1,773	3,214	1,107	259	1,011
33	Primary metal industries	7	1	1	5	2,951	13,455	28,509	(*)	2,038	7,555
34	Fabricated metal products	26	17	5	4	1,328			340	2,104	9,535
35	Machinery, except electrical	42	28	9	5	2,493	11,831	13,479	1,083	2,780	12,250
37	Transportation equipment	7	4	1	2	.3,066	15,284	55,003	(*)	1,103	2,609
39	Miscellaneous manufactures ³	43	35	4	4	3,976	15,650	25,088	469	1,334	4,092

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

¹In addition to the employment and payroll totals shown in the table operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliarity units (e.g., storage varehouses, power plants, research laboratories, garages, and repair shops), which serve the manufacturing establishments of a company rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Delaware reported 15,112 employees with a total payroll of \$\frac{116}{116},085\$ thousand. Comparable data for 1947 are not available.

²The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, thus type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

³L.cludes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

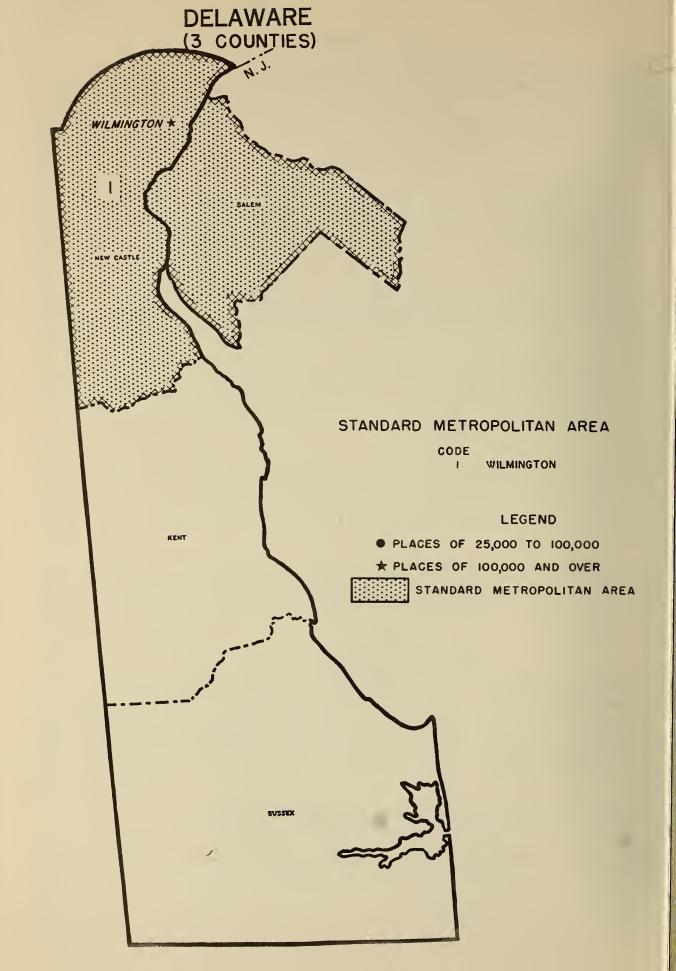
Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (The State of Delaware contains no standard metropolitan area with 40,000 or more manufacturing employees in 1954.)

Table 4. —GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

		(See tex	t for exp	THURTION (of column ca	ptions/			,	
					1954				1947	
Standard metropolitan	Total	Number of establishments with—		All employees		Value addec by	Capital expendi-	All	Value added by	
area and county	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payrolls (\$1,000)	manu- facture (\$1,000)	tures, new	employees, number	manu- facture
Delaware, total	558	351	123	84	39,067	149,515	354,044	24,171	34,738	193,073
STANDARD METROPOLITAN AREAS										
Wilmington ¹	348	202	84	62	37,818	169,625	390,069	25,541	36,506	207,254
Portion in Delaware	300 48	176 26	71 13	53 9	27,182 10,636	115, 26 54,599	254,367 135,702	13,869 11,672	24,175 12,331	121,5% '5,68
COUNTIES										
Kent New Castle Sussex	70 300 198	48 176 127	13 71 39	9 53 22	3,451 27,182 8,430	8,129 115,026 26,356	24,112 254,367 75,562	999 13,869 9,399	3,082 24,175 7,481	14, 1 14,544 100,700

^{*}Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

¹The Wilmington standard metropolitan area consists of New Castle county, Delaware and Salem bounty, New Jordey.



July 1956

Series:

MC-S8

DISTRICT OF COLUMBIA

SUMMARY STATISTICS FOR THE DISTRICT OF COLUMBIA AND ITS STANDARD METROPOLITAN AREA

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE DISTRICT OF COLUMBIA: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
1-19 employees	do	489 342 103	428 272 116	+14 +26 -11
All employees¹ Number Payroll.	Thousands	20.2 89.7	17.8 55.9	+10 +13 +60
Value added by manufacture		158.1 6.6	99.1 4.5	+60 +47

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 1.3 thousand employees with a payroll of \$6.9 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

Payroll. -- This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Table 2.--GENERAL STATISTICS FOR THE DISTRICT OF COLUMBIA, BY MAJOR INDUSTRY CROUP: 1954 AND 1947

(See text for explanation of column captions)

-					1947						
Ind.		Total	Number of establishmenta with—		All employeea 1		Value	Capital	All	Value	
group		number of estab- lishments	1-19 em- ployees	20-99 em- ployeea	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employeea, number	added by manu- facture (\$1,000)
	All industries, total*	489	342	103	44	20,224	89,710	158,052	6,550	17,815	99,067
20 23 26 27	Food and kindred products ² Apparel and related productsPulp, paper, and productsPrinting and publishing	81 19 10 247	36 16 6 178	22 3 2 51	23 2 18	6,647 177 693 10,739	28,511 408 3,246 49,603	50,377 726 9,927 85,019	3,460 (*) (*) 2,256	5,185 242 729 9,847	26,800 676 5,027 58,557
	Chemicals and products Stone, clay, and glass products Fabricated metal products Electrical machinery Miscellaneous manufactures ³	14 11 23 10 25	12 10 16 6 24	2 7 4 1	"i …	223 151 415 275 175	1,079 522 1,784 904 775	1,884 832 2,807 1,652 1,074	(*) (*) 74 (*)	178 293 464 175 147	1,216 1,438 1,896 615 658

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual conmanies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

State.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratoriea, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the District of Columbia reported 1,324 employees with a total payroll of \$6,928 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Bood and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for the District of Columbia.

Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.

For 1947, this type of establishment

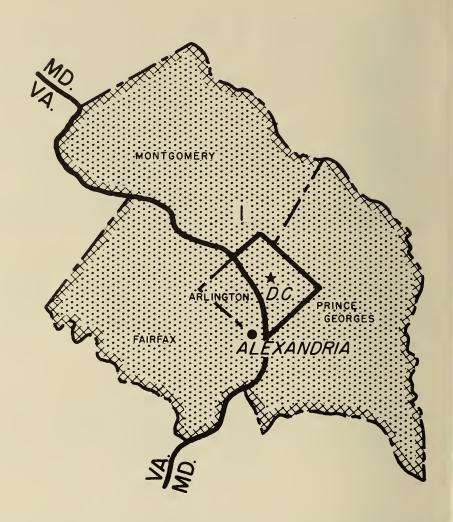
(Establishments which

Table 3.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY CROUP: 1954 AND 1947 (The District of Columbia does not contain nor is part of a standard metropolitan area with 40,000 or more manufacturing employees.)

Table 4 .-- GENERAL STATISTICS FOR THE WASHINGTON (D. C.) STANDARD METROPOLITAN AREA: 1954 AND 1947

(See text for explanation of column captions) 1954 1947 Number of establishments All employees Capital with-Value Value All Total Standard metropolitan area added by expendiadded by 100 or employees, number of 1-19 20-99 manumanutures. more number estabem-Number Payroll facture new facture emlishments ployees ployees (\$1,000) (\$1,000) (\$1,000)ployees (\$1,000) 22,473 17,815 3,030 Washington (D. C.) area, total1...... 130,299 223,269 10,653 118,776 629 30,220 865 173 63 Portion in District of Columbia..... 489 342 103 44 89,710 158,052 6,550 99,067 3,015 249 194 40 7,407 30,221 47,430 12.841 93

¹In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns in 1954 reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units (e.g., and they are not available. The Washington (D. C.) Standard Metropolitan Area consists of District of Columbia; Montgomery and Prince Ceorges Counties in Maryland; Arlington and Fairfax Counties, and Alexandria City and Fails Church City. Wireinia Alexandria City and Falls Church City, Virginia.



STANDARD METROPOLITAN AREA

WASHINGTON D.C.

, LEGEND

- PLACES OF 25,000 TO 100,000
- * PLACES OF 100,000 AND OVER

STANDARD METROPOLITAN AREA

June 1956 Series:

FLORIDA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

MC_SQ

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	4,819	2,807	+72
1-19 employees	do	3,759 834 226	2,052 603 152	(1) +38 +49
All employees ² Number. Payroll.	Thousands	122.9 383.1	78.7 168.8	+56 +127
Value added by manufacture	do	785.8 105.1	349.8 50.1	+125 +110

See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 0.6 thousand employees with a payroll of \$4.0 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. --This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

	(See Cert for explanation of column captions)											
						1954				1947		
Ind.	Major industry	Total	Number of establishments with—		ishments	All employees 1		Value	Capital	A11	Value	
group	group	mumber of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)	
	All industries, total*	4,819	3,759	834	226	122,900	383,134	785,826	105,078	78,665	349,976	
27	Food and kindred products ² Tobacco manufactures. Textila mill products. Apparel and releted products. Lumber and wood products ³ Furniture and fixtures. Pulp, paper, and products. Printing and publishing. Chemicals and products.		521 33 22 189 861 265 17 509	202 10 5 71 127 57 21 45 60	76 17 8 31 4 28 12	29,939 8,958 (*) 5,748 15,850 4,675 12,091 9,254 9,523	90,504 20,790 (*) 12,698 35,356 13,913 49,113 35,809 34,089	205,801 34,066 (*) 19,614 54,855 23,175 140,139 60,664 81,814	19,233 753 (*) 594 4,092 1,418 25,507 3,516 33,623	19,565 8,723 (*) 2,018 15,726 2,046 5,696 6,288 4,724	92,324 18,723 (*) 5,913 47,229 7,079 55,777 34,706 28,774	
	Petroleum and coal products Leather and leather products Stone, clay, and glass products Primary mets1 industries Fabricated metal products	20 24 337 41 330	14 19 273 32 253	6 4 59 6 65	 1 5 3 12	295 492 5,227 910 7,086	1,110 1,346 15,975 2,552 25,759	2,490 2,400 36,535 5,179 52,160	617 44 5,765 278 6,161	154 2,675 323 2,158	267 410 12,809 1,024 11,571	
35 36 37 39	Machinery, except electrical Electrical machinery Transportation equipment Miscellaneous manufactures ⁴	174 59 170 248	143 47 135 220	27 11 25 27	4 1 10 1	2,771 905 (*) 2,212	10,065 2,564 (*) 5,997	19,237 4,411 (*) 10,054	998 220 (*) 584	1,465 236 (*) 1,248	6,768 1,023 (*) 3,618	

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

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In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Florida reported 590 employees with a total payroll of \$4,027 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Saumills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber wers included. In 1954, on the other hand, all such loggers and saumills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these logger

FLORIDA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

					1954				19	47
Standard metropolitan area and county	Total number of estab-		of establ with— 20-99 em-	100 or more	All emp	ployees Payroll	Value added by manu- facture	Cspitel expendi- tures, new	All employees, number	Vslue added by manu- facture
	lishments		ployees	em- ployees	Mumber	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
Florida, totsl*	4,819	3,759	834	226	122,900	383,134	785,826	105,078	78,665	349,976
Jacksonville ² . Miami ³ . Orlando ⁴ . Tampa-St. Petersburg ⁵ .	424 1,242 211 761	290 954 174 589	99 258 27 126	35 30 10 46	17,233 23,340 4,137 22,875	57,663 76,485 14,484 70,515	124,913 133,520 34,162 140,308	10,709 9,780 4,387 10,050	12,771 9,271 2,752 18,124	66,736 45,528 10,888 68,128
COUNTIES										
Alachua Baker Bay Bradford Brevard	71 32 43 21 25	52 31 31 17 23	14 1 8 2 2	5 4 2	1,748 240 (*) 641 259	4,214 505 (*) 1,839 633	8,030 1,070 (*) 2,314 1,018	334 39 (*) 482 36	1,219 137 (*) 114 237	3,600 250 (* 250 1,040
Broward Calhoun. Charlotte Citrus Clay.	195 17 12 12 29	165 16 12 12 26	25 3	5 1 	2,909 214 (*) (*) 300	9,583 424 (*) (*) 790	15,739 620 (*) (*) 1,730	1,367 (*) (*) (*) 169	784 337 (*) (*) 171	3,818 548 (*) (*) 513
Collier. Columbia Dade De Soto. Dixie.	7 41 1,242 8 11	5 35 954 7 9	258 1	2 2 30 	420 704 23,340 (*) (*)	1,049 1,379 76,485 (*) (*)	1,297 2,755 133,520 (*)	(*) 256 9,780 (*) (*)	234 249 9,271 (*) (*)	724 733 45 ,528 (*) (*)
Duval Escambia Flagler Franklin Gadsden.	424 89 11 12 43	290 58 9 11 26	99 23 1 1 9	35 8 1 	17,233 7,775 272 (*) 2,160	57,663 27,344 935 (*) 4,038	124,913 67,233 3,193 (*) 6,069	10,709 23,453 (*) (*) 567	12,771 3,434 37 (*) 1,572	66,736 21,039 66 (*) 3,491
Gilchrist Glades Gulf Hamilton Hardee	5 3 14 16 13	5 3 10 12 11	 1 3 2	 3 1	(*) (*) (*) 446 191	(*) (*) (*) (*) 863 333	(*) (*) (*) 1,272 388	(*) (*) (*) (*)	(*) (*) (*) 306 213	(*) (*) (*) 831 736
Hendry Hernando Highlands Hilleborough Holmes	7 14 13 464 21	5 13 11 325 19	1 2 102 2	2 37	(*) (*) 124 18,493 138	(*) (*) 294 57,420 237	(*) (*) 506 115,694 425	(*) (*) (*) 8,461 38	(*) (*) 150 16,179 78	(*) (*) 565 59,796 202
Indian River Jackson Jefferson Lafayette Lake	17 47 17 11 56	14 37 16 11 48	2 8 1 	1 2 3	247 820 117 (*) 978	759 1,820 182 (*) 2,596	1,410 3,944 384 (*) 7,163	(*) 249 (*) (*) 800	140 426 294 (*) 674	399 1,646 628 (*) 2,027
Lee. Leon. Levy. Liberty. Madison.	54 55 31 12 36	47 38 27 10 26	7 16 4 2 8	1 2	634 1,559 346 118 760	1,725 4,090 739 209 1,716	2,861 7,220 1,245 375 2,884	157 374 113 (*) 168	283 1,347 426 154 450	1,034 5,255 1,028 365 1,019
Manatee Marion Martin Monroe Nassau	49 66 5 23 57	44 47 4 21 45	13 1 2 6	1 6 6	616 1,636 (*) 162 (*)	1,498 4,126 (*) 434 (*)	2,894 7,799 (*) 859 (*)	434 604 (*) 141 (*)	950 1,062 (*) 114 (*)	2,764 3,649 (*) 459 (*)
Okalooss. Okeechobee. Orange Occeola. Palm Beach.	21 6 211 21 150	18 4 174 17 124	2 1 27 4 24	1 1 10 	384 (*) 4,137 258 2,064	631 (*) 14,484 614 6,836	8% (*) 34,162 1,018 11,964	32 (*) 4,387 53 1,510	276 (*) 2,752 456 1,206	559 (*) 10,888 1,670 5,649
Pasco. Finellas. Polk Putnam St. Johns.	27 297 149 57 45	20 264 85 45 39	4 24 46 7 5	3 9 18 5	2,202 4,382 8,518 2,312 632	5,479 13,095 26,728 8,051 2,307	16,562 24,614 50,012 21,192 3,488	1,396 1,589 17,167 1,244 425	1,514 1,945 5,076 857 299	4,877 8,332 22,603 3,132 1,021
St Iucie Santa Rosa Sanaota. Seminole Sunter	26 12 67 29 9	21 10 60 25 8	4 2 7 3 1	1 1	482 111 595 380 (*)	1,340 161 1,823 899 (*)	3,011 205 3,116 2,449 (*)	239 (*) 394 466 (*)	460 46 234 309 (*)	1,717 140 811 1,342 (*)

For footnotes, see end of table.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 -- Continued (See text for explanation of column centions)

(and the server and experimental of the server and										
		1947								
Standard metropolitan		Number of establishments with—		All employees		Value	Capital	A11	Value	
area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
COUNTIESContinued										
Suwannee		29 20	2		257 (*)	509 (*)	954 (*)	59 (*)	273 (*)	530 (*)
Union. Volusia		12 100	 19		(*) 1,714	(*) 4,866	(*) 7,711	(*) 504	(*) 1,281	(*) 4 , 690
Wakulla		6 18	1	:::	(*) 142	(*) 286	(*) 559	(*) (*)	(*) 252	(*) 627
Washington		22	3		237	416		`46	253	610

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

.Represents zero. ...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, the employment and payroll figures for such central administrative offices and auxiliary units of manufacturers in each standard metropolitan area are shown in the table below. Comparable data for 1947 are not available.

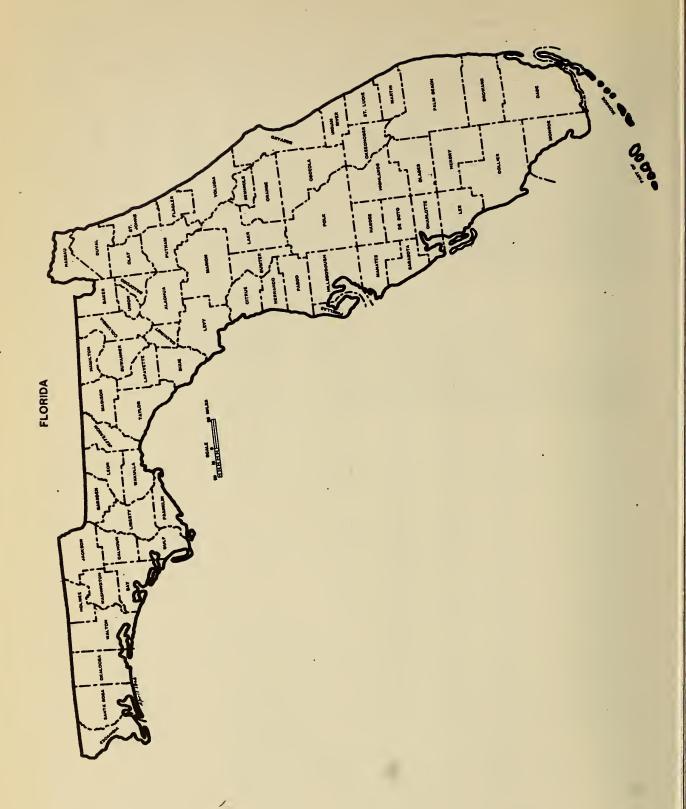
Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Jacksonville. Miami. Orlando. Tampa-St. Petersburg.	50-99 100-250	500-1,000

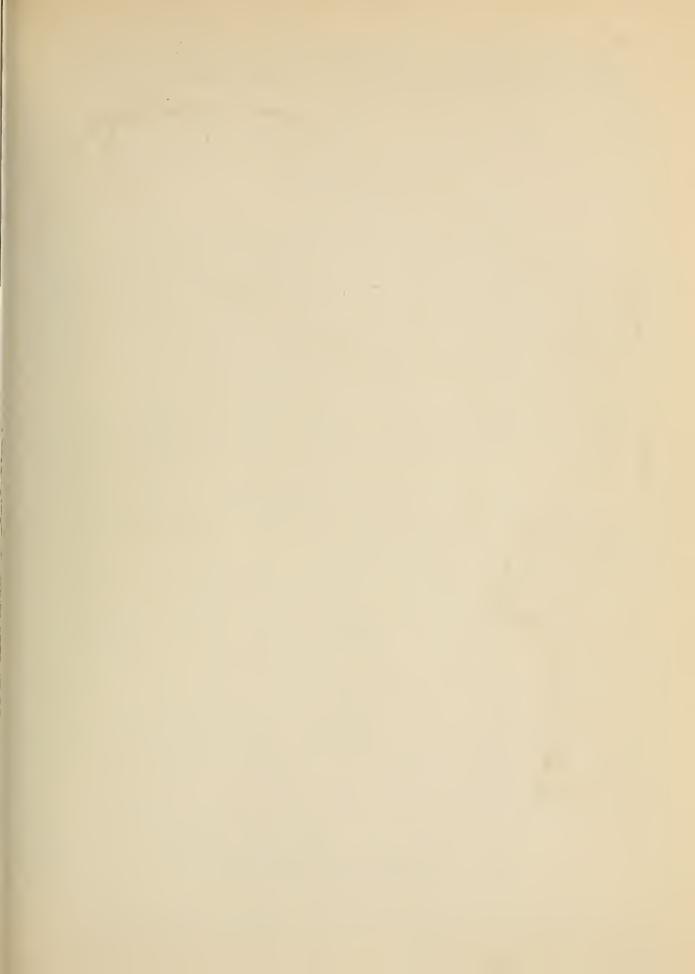
²The Jacksonville Standard Metropolitan Area consists of Duval County, Florida.

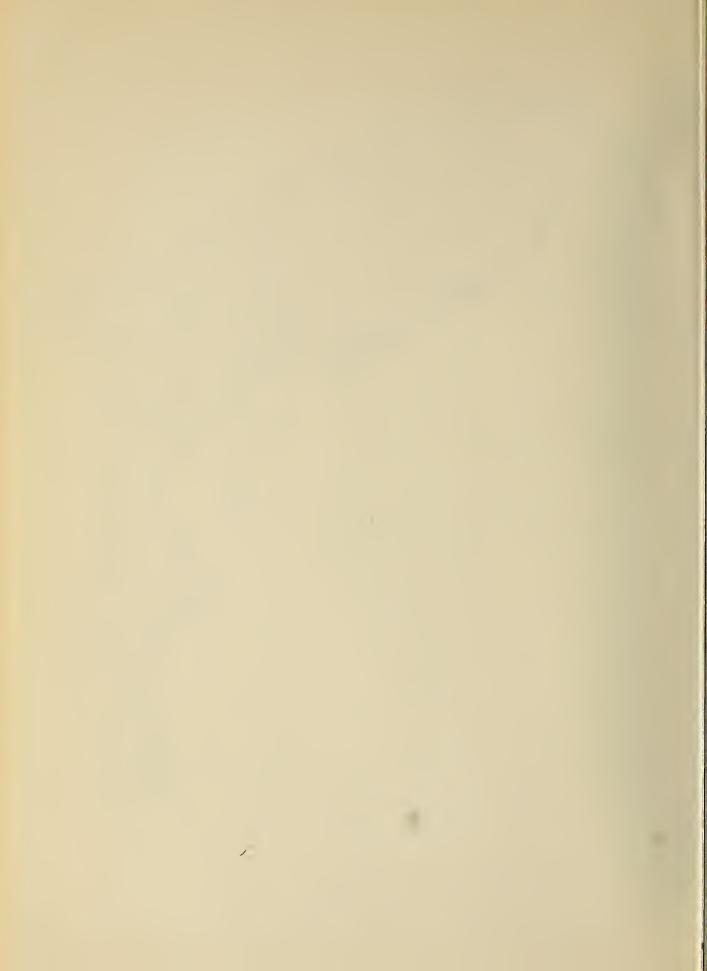
³The Miami Standard Metropolitan Area consists of Dade County, Florida.

⁴The Orlando Standard Metropolitan Area consists of Orange County, Florida.

⁵The Tampa-St. Petersburg Standard Metropolitan Area consists of Hillsborough and Pinellas Counties, Florida.







August 1956 Series: MC-S10

GEORGIA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	5,666	4,755	+19
1-19 employees		3,952 1,124 590	3,220 1,062 473	(¹) +6 +25
All employees ² Number Payroll	Thousands	302.8 848.3	250.0 484.3	+21 +75
Value added by manufacture	do	1,594.6 168.4	1,016.1 84.3	+57 +100

¹See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 2.0 thousand employees with a payroll of \$11.0 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

CEORGIA

Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

_	I .					1954				1947		
			1			1954				19	47	
Ind.	Major industry	Total	Number	of establi with—	ishments	All employees1		Value	Capital	A11	Value	
group	group	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)		
	All industries, total*	5 , 666	3,952	1,124	590	302,754	848,251	1,594,648	168,359	249,958	1,016,079	
20 22 23 24	Food and kindred products ²	811 327 316 2,354	526 58 99 2,009	195 93 97 302	90 176 120 43	35,992 102,681 36,468 32,072	106,113 250,277 76,597 59,950	265,065 382,153 118,485 100,974	21,948 30,245 4,190 5,899	26,774 102,535 25,041 33,979	133,448 398,023 76,164 88,466	
25 26 27 28	Furniture and fixtures	186 67 438 286	131 15 366 161	43 26 58 110	12 26 14 15	7,037 13,744 8,050 10,086	18,593 55,084 32,834 29,748	33,481 .150,705 56,853 80,995	980 71,820 2,222 5,820	5,687 7,319 6,230 11,119	22,757 54,207 32,561 77,043	
29 31 32 33	Petroleum and coal products Leather and leather products Stone, clay, and glass products Primary metal industries	14 25 242 39	9 10 176 25	2 6 45 11	3 9 2 1 3	517 2,492 7,640 2,657	1,976 6,192 22,399 10,887	5,691 11,507 44,607 14,582	(*) 74 6,706 430	489 2,413 6,954 2,754	7,259 7,581 26,651 7,769	
34 35 36 39	Fabricated metal products	152 186 32 116	95 1 1 6 17 89	43 50 9 20	14 20 6 7	5,482 7,098 2,433 3,714	17,962 25,027 9,345 10,205	29,416 43,710 17,834 21,807	1,116 2,390 5,783 875	3,456 6,408 1,455 2,568	14,951 26,822 8,111 8,282	

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

panies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final builtin for this State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouse, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Georgia reported 1,988 employees with a total payroll of \$10,965 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of tota

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	47	
Ind.	Mar Face & A. J.		Number	of establ with—	ishments	All em	ployeesl	Value	Capital	All	Value	
group	Major industry group	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em~	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture	
			proyees	proyees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
			ATLANTA AREA ²									
	All industries, total*	1,088	657	298	133	78,957	292,253	537,118	24,894	49,030	237,448	
20 22 23 24 25	Food and kindred products ² Textile mill products Apparel and related products Lumber and wood products ⁴ Furniture and fixtures	167 26 89 103 67	83 7 37 78 43	57 5 29 20 19	27 14 23 5 5	11,705 8,183 7,831 2,300 3,718	41,020 20,365 18,126 5,966 10,705	89,279 27,049 30,843 8,563 21,438	4,728 2,474 959 487 465	9,170 8,391 4,886 1,783 3,090	60,941 27,402 17,191 6,167 15,584	
26 27 28 31 32	Pulp, paper, and products Printing and publishing Chemicals and products. Leather and leather products Stone, clay, and glass products.	24 181 94 9 50	6 136 59 5 38	10 36 30 3	8 9 5 1 3	3,044 4,966 2,516 390 1,097	11,511 22,083 9,965 1,113 3,280	21,188 37,279 22,876 2,542 5,916	1,634 1,371 1,361 (*) 357	1,964 3,906 2,042 576 700	10,714 21,783 14,010 2,148 2,736	
33 34 35 36 39	Primary metal industries	13 70 78 19 63	6 42 42 8 45	6 22 26 7 13	1 6 10 4 5	2,032 2,145 3,357 1,199 2,760	8,970 7,570 12,493 4,649 8,026	11,681 10,857 20,328 9,607 16,333	(*) 567 718 (*) 665	2,327 1,803 2,691 989 (*)	6,826 8,414 11,390 6,129 (*)	
			CHATTANOOGA AREA /"All manufacturing" totals for the Chattanooga Standard Metropolitan Area (which includes Walker County in Georgia) appear in Table 4. Industry group statistics for this area are shown in the 1954 Census									

of Manufactures Preliminary Report for the State of Tennessee, MC-S41.

*Totals include data for industry group which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checki.j of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the Atlanta Standard Metropolitan Area reported 1,000-2,500 employees with a total payroll of \$5,000-\$10,000 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

41954 Census totals for Major I.dustry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawnills and Flaning Mills (Industry 2421) that produced more than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24,

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

		(See tex	, for exp.	Lana CION C	1954	pcroise)			1947	
		Number	of establ	ishmenta		ployees			17	
Standard metropolitan area and county	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- turea, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)
Georgia, total	5,666	3,952	1,124	590	302,754	848,251	1,594,648	168,359	249,958	1,016,079
STANDARD METROPOLITAN AREAS ¹										
Atlanta area ²	1,088	657	298	133	78,957	292,253	537,118	24,894	49,030	237,448
Augusta area, total. Portion in Georgia. Portion in South Carolina.	175 125 50	101 70 31	45 39 6	29 16 13	27,899 8,565 19,334	112,591 24,471 88,120	153,932 46,364 107,568	4,183 2,508 1,675	15,094 8,939 6,155	56,444 37,295 19,149
Chattanooga area, total ⁴	407 45 362	219 28 191	98 6 92	90 11 79	42,445 5,693 36,752	142,830 15,122 127,708	276,075 26,425 249,650	33,488 1,338 32,150	38,193 5,009 33,184	149,104 20,253 128,851
Columbus area, total ⁵	174 121 53	110 66 44	37 28 9	27 27	18,080 17,216 864	44,179 42,461 1,718	75,807 72,921 2,886	4,353 4,203 150	19,990 19,059 931	90,156 87,281 2,875
Macon area ⁶ Savannah area ⁷	178 181	99 117	46 38	33 26	10,715 13,333	30,496 47,296	69,479 153,209	5,300 8,465	8,789 11,042	36,445 75,1 77
COUNTIES						1				
Appling. Atkinson. Bacon. Baker. Baldwin.	23 8 13 2 31	18 6 12 1 24	5 2 1 1 6		360 188 102 (*) 1,104	698 348 163 (*) 3,065	1,177 519 389 (*) 6,851	41 (*) (*) (*) (*) 294	86 168 51 (*) 543	286 480 94 (*) 1,876
Banks Barrow Bartow Ben Hill Berrien	9 27 37 20 26	9 12 27 12 23	6 7 6 3	9 3 2	(*) 2,514 2,273 801 260	(*) 4,618 5,570 1,645 508	(*) 6,097 9,742 2,429 861	(*) 809 967 133 54	(*) 1,841 2;796 855 128	(*) 5,103 8,437 2,169 331
Bibb. Bleckley. Brantley. Brooks. Bryan.	162 12 14 27 19	87 9 10 18 18	44 2 3 8	31 1 1 1	10,267 680 (*) 458 (*)	29,328 1,188 (*) 964 (*)	66,716 1,508 (*) 1,484 (*)	5,183 (*) (*) 163 (*)	8,372 498 (*) 516 (*)	34,594 1,174 (*) 1,256 (*)
Bulloch. Burke. Butts. Calhoun. Camden.	38 28 16 15 55	32 20 13 12 50	6 7 2 3 1	1 1 	424 695 (*) 175 (*)	807 1,391 (*) 273 (*)	1,477 2,502 (*) 637 (*)	151 104 (*) (*) (*)	321 707 (*) 89 (*)	947 1,807 (*) 247 (*)
Candler. Carroll. Catoosa Charlton Chatham.	7 74 16 31 181	3 47 12 30 117	4 17 3 1 38	10 1 26	138 3,128 (*) 221 13,333	239 6,996 (*) 446 47,296	509 9,800 (*) 668 153,209	(*) 1,148 (*) 46 8,465	56 2,279 (*) 57 11,042	93 5,416 (*) 92 75,177
Chattahoochee. Chattooga. Cherokee. Clarke. Clay	20 45 70	12 37 40 6	3 5 21 1	5 3 9	4,329 2,319 3,465 (*)	11,274 5,057 8,585 (*)	20,606 7,479 16,881 (*)	572 547 578 (*)	170 4,752 1,726 2,851 (*)	328 16,719 9,097 10,211 (*)
Clayton. Clinch. Cobb. Coffee. Colquitt.	27 38 76 46 51	24 31 49 34 39	3 6 17 11 8	1 10 1 4	259 606 18,568 885 1,967	620 1,138 81,775 1,942 6,000	1,097 1,920 122,253 2,727 9,371	71 165 5,331 277 292	196 105 3,517 706 1,606	495 232 10,278 2,155 5,263
Columbia. Cook. Coveta Crawford. Crisp.	20 20 48 13 33	19 16 31 9 21	2 8 4 9	1 2 9 	252 462 4,150 177 1,309	472 951 9,405 279 3,392	564 1,861 17,239 472 4,669	26 74 708 (*) 286	450 129 3,993 256 965	825 440 14,232 598 3,263
Dade	13 10 24 144 24	11 9 12 109 20	2 1 7 23 2	 5 12 2	151 159 1,070 7,008 620	242 187 2,603 28,760 1,351	432 241 4,071 69,447 1,890	(*) (*) 166 3,078 138	107 124 1,423 2,887 510	463 195 4,466 9,768 2,149
Dooly Dougherty Douglas Early Echols.	21	6 38 13 18 6	1 25 1 3	7 1 	244 3,091 553 216 (*)	388 8,833 1,197 317 (*)	660 19,954 1,425 669 (*)	(*) 1,958 (*) 84 (*)	459 2,053 736 324 (*)	1,123 8,722 -,769 934 (*)

For footnotes, see end of table.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

		(See tex	t for exp.	Ishation C	of column cap	otions)			1947	
		Number	of establ	ishments	All em	ployees	Value	Capital		Value
Standard metropolitan area and county	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
COUNTIESContinued										
Effingham Elbert. Emanuel Evans Fannin	31 56 27 16 15	30 41 23 13 13	1 12 2 3 1	3 2 	(*) 1,494 551 171 231	(*) 4,067 981 358 647	(*) 6,621 1,734 921 1,323	(*) 372 72 (*) (*)	(*) 1,104 413 120 511	(*) 3,391 1,194 313 1,444
Fayette Floyd Forsyth Franklin Fulton	12 94 19 27 868	11 49 17 20 499	1 -32 1 2 258	13 1 5 111	147 10,353 (*) 1,252 53,381	212 30,021 (*) 2,559 181,718	471 46,499 (*) 5,733 345,418	(*) 6,103 (*) 58 16,485	111 10,636 (*) 514 42,626	197 47,713 (*) 1,396 217,402
Gilmer. Glascock Glynn Gordon. Grady	33 16 65 40 23	27 14 49 21 18	2 10 13 3	6 6 2	822 135 3,766 2,223 815	1,446 247 8,834 4,072 1,601	2,727 441 41,608 8,212 2,469	55 (*) 2,976 631 249	525 143 2,187 1,550 602	1,015 223 25,358 5,305 1,522
Greene. Gwinnett Habersham. Hall Hancoc!	41 49 58 75 24	30 37 45 50 21	9 5 5 14 2	2 7 8 11 1	1,264 1,864 2,250 5,786 368	2,517 4,622 5,125 15,339 571	3,494 7,945 9,284 27,488 1,054	184 146 263 6,799 78	1,460 1,776 1,249 4,923 364	5,311 4,824 4,278 22,872 1,108
Haralson. Harris Hart Heard Hearg	18 30 16 13 22	10 26 10 13 15	3 3 2	5 1 4 	3,092 374 985 (*) 745	9,543 640 2,457 (*) 2,190	14,928 4,668 3,818 (*) 3,269	(*) 22 (*) (*) 184	2,367 403 410 (*) 812	7,548 514 1,615 (*) 2,049
Houston. Irwin Jackson Japper Jeff Davi.	16 13 17 19 18	12 11 9 17 13.	2 2 3 1 2	2 5 1 3	448 (*) 2,5 ₁ 2 288 (*)	1,168 (*) 5,349 509 (*)	2,763 (*) 8,159 768 (*)	(*) (*) (*) (*)	417 (*) 2,226 519 (*)	1,851 (*) 7,527 929 (*)
Jefferson. Jourit Jourson. Jone Jone Lagar.	49 11 8 17 18	37. 8 5 14 13	9 1 2 2 2	3 2 1 1 3	1,224 561 425 361 (*)	2,161 939 765 580 (*)	3,345 1,264 1,391 . 844 . (*)	218 (*) (*) (*) (*)	483 403 67 779 - (*)	1,056 1,033 119 1,711 (*)
Lanier. Laure Lee Liberty Lincolp.	11 40 2 19 31	11 32 1 17 26	5 1 2 4	3	(*) 1,354 (*) 250 438	(*) 3,326 (*) 456 776	(*) 6,911 (*) 638 1,513	(*) 225 (*) (*) 123	(*) 632 (*) 331 369	(*) 2,145 (*) 896 866
Long. Lowndes. Lumpkin. HeDuffie. McIntosh	7 74 8 17 17	6 55 8 9 14	13 5 3	1 6 3	(*) 2,268 (*) 1,023 193	(*) 7,158 (*) (*) 2,144 325	(*) 12,106 (*) 3,714 527	(*) (*) (*) (*)	(*) 2,182 (*) 1,181 128	(*) 7,790 (*) 2,766 385
Macon Madison Marion Meriweather Miller	23 12 10 27 9	19 11 9 23 8	3 1 1 2 1	2	512 102 (*) 1,544 (*)	900 136 (*) 3,335 (*)	1,505 207 (*) 4,745 (*)	20 (*) (*) 220 (*)	495 93 (*) 1,772 (*)	761 114 (*) 4,863 (*)
Mitchell Monroe Montgomery Morgan Murray	28 37 12 20 26	19 33 8 16 22	7 3 3 3 3	2 1 1 1	921 520 (*) 464 434	1,991 993 (*) 833 853	2,846 1,589 (*) 1,370 1,957	513 ; 50 (*) 34 ; 146 ;	962 727 (*) 553 450	2,402 1,934 (*) 990 1,210
Muscogee Newton. Oconee. Oglethorpe Paulding.	121 31 7 16 31	66 23 5 12 28	28 3 2 3 1	27 5 1 2	17,216 (*) 101 440 493	42,461 (*) 155 1,017 976	72,921 (*) 209 1,181 1,659	4,203 (*) (*) (*) 61	18,889 (*) 261 570 487	86,953 (*) 373 1,546 1,209
Peach. Pickens. Pierce. Pike. Polk.	13 28 13 11 38	6 21 10 7 23	4 3 2 4 7	3 4 1 8	864 1,142 277 265 3,669	2,115 2,547 488 347 9,411	3,671 4,509 841 427 19,678	(*) 177 (*) (*) 5,228	800 837 148 291 5,414	3,599 2,625 479 515 16,806
Pulaski Putnam. Quitman Rabun Randolph.	12 26 12 16 22	10 22 10 11 17	1 2 2 3 3	2 2	314 890 122 570 540	755 2,146 161 958 1,100	1,018 3,358 334 1,299 2,207	(*) 57 (*) (*) 34	376 870 108 185 677	1,058 3,005 183 337 1,700
Richmond Rockdale Schley Schley Geren Geminole	125 8 8 41 12	70 5 8 32 9	39 1 8 3	16 2 1	8,565 (*) (*) 693 118	24,471 (*) (*) (*) 1,242 221	46,364 (*) (*) 1,750 289	2,508 (*) (*) 89 (*)	8,939 (*) (*) 459 102	37,295 (*) (*) 1,203 375

For footnotes see end of table.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

			(See text	t for exp.	Tanacion (or cormin cal	otions)				
						1954				19	47
Sta	andard metropolitan	Total	Number	of establ with—		All em	ployees	Value added by	Capital expendi-	All	Value added by
	area and county	number of estab- lishments	em-	20-99 em-	100 or more em-	Number	Payroll	manu- facture	tures, new	employees, number	manu- facture
		lishments	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	COUNTIESContinued										
		48	26	11	11	7,082	15,884	20,973	547 (*)	6,831	24,447
		38 16	21 11	8 5	. 9	3,407	8,968	15,867	(*)	3,314	10,120
		33	22	8	3	1,476	3,099	6,197	149	1,211	3,479
		31	27	4		352	582	906	26	446	775
14100011111											
		13 14	10 13	3 1	• • •	253 118	330 183	456 355	(*) (*)	149 128	315 378
		15	14	1		174	278	417	(*) (*)	283	914
		37	26	10	1	795	1,433	2,479	155	214	785
		14	9	3	2	(*)	(*)	(*)	(*)	(*)	(*)
Thomas		63	45	12	6	2,940	7,645	11,144	839	1,602	6,364
		46	37	6	3	1,302	3,478	3,830	143	1,164	3,628
		40	29	8	3	975	1,635	2,487	201	455	941
		3 8	3		1	(*)	(*)	(*)	(*) (*)	(*) (*)	(*) (*)
Treutlen		0	0	_	1	(^)	(^)	(^)	(-)	(^)	(~)
		69	45	12	12	9,716	22,998	32,802	976	9,927	28,760
		7	5	2	•••	184	446	1,474	(*)	309	946
		12	8 17	2	2	780 (*)	2,542	4,932	(*) (*)	707 (*)	2,558
		17 28	22		4	(*)	(*)	(*) (*)	(*)	(*)	(*) (*)
Upson		20	22	2		(^)	(^)	(^)	(^)	(^)	(*)
Walker		45	28	6	11	5,693	15,122	26,425	1,338	5,009	20,253
		23	12	. 5	6	2,301	5,010	6,473	198	1,912	6,316
		54	39	12	3	2,036	4,243	9,081	191	909	2,637
		9 38	8	1 3	2	135 715	285 1,231	476 1,677	(*)	160 895	283
wasnington.	• • • • • • • • • • • • • • • • • • • •		22	ر		110	1,201	1,077	07	090	عشد و د.
Wayne		34	29	1	4	1,321	3,972	4,214	(*)	664	1,349
		8	6	2	• • •	130	226	325	(*)	180	616
	• • • • • • • • • • • • • • • • • • • •	11	11	•••	•••	(*)	(*)	(*)	(*)	(*)	(*)
		11 1	7 85	3 48	1 19	469 8,577	911	2,138 36,090	2,327	5,907	243 21,801
whitileid	•••••	132	65	40	19	0,577	19,276	30,090	2,321	5,507	21,001
		10	9	1		115	214	248	(*)	106	283
		38	33	3	2	839	1,633	3,352	86	901	1,720
		30	28 13	1	1	415	680	1,670	78	281	660
worth		16	13	3	•••	243	452	740	(*)	266	758

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Augusta	250-500	50-100 1,000-2,500 250-500
Macon. Savannah.	100-250	1,000-2,500 250-500

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

²For a definition of the Atlanta Standard Metropolitan Area, and the central administrative office and auxiliary unit employment and payroll for this area, see Table 3 footnotes.

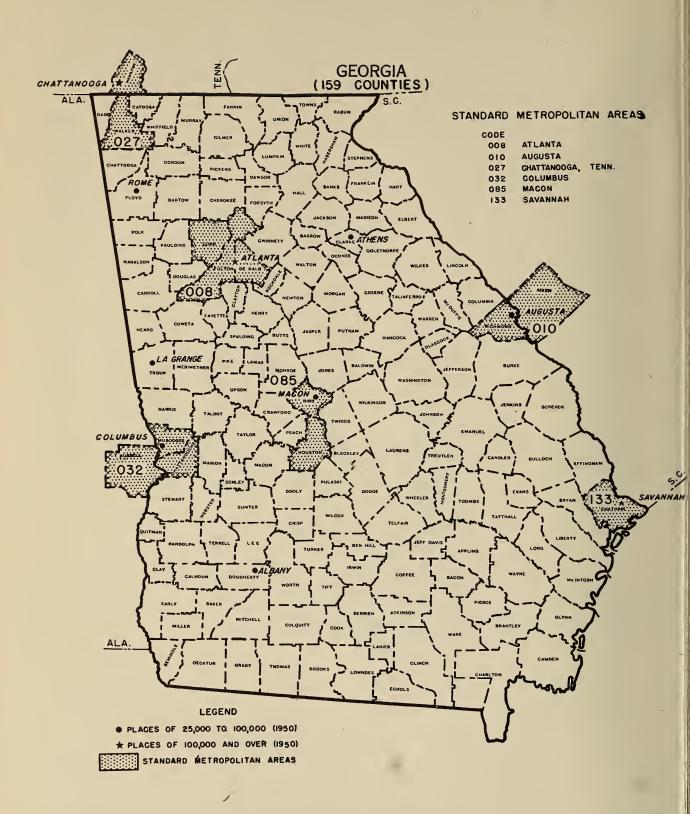
³The Augusta Standard Metropolitan Area consists of Richmond County, Georgia; Aiken County, South Carolina.

⁴The Chattanooga Standard Metropolitan Area consists of Walker County, Georgia; Hamilton County, Tennessee.

⁵The Columbus Standard Metropolitan Area consists of Chattahoochee and Muscogee Counties, Georgia: Russell County, Alabama.

⁶The Macon Standard Metropolitan Area consists of Bibb and Houston Counties, Georgia.

⁷The Savannah Standard Metropolitan Area consists of Chatham County, Georgia.



May 1956 Series: MC

MC-S11

IDAHO

SUMMARY STATISTICS FOR THE STATE AND ITS COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.—GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

(BOO SONO 101 OAPITALISTON OF TOOLS)										
Item	Unit of measure	1954	1947	Percent change 1947-1954						
Number of establishments, total	Number	991	664	+49						
1-19 employees	do	785 157 49	491 144 29	+60 +9 +69						
All employees										
Number	Thousands Million dollars	23.8 89.9	16.9 45.7	+41 +97						
Value added by manufacture Capital expenditures, new		183.9 19.5	109.7	+68 +71						



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salariés, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

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Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY CROUP: 1954 AND 1947

(See text for explanation of column captions)

					1947						
Ind.	Major industry	Total number	Number o	of establi with—	shments	All emp	loyees 1	Value	Capital	A3.1	Value
group	group	of estab- lish- ments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
	All industries, total*	991	785	157	49	23,819	89,925	183,850	19,462	16,907	109,694
20	Food and kindred products2		154	67	14	6,796	21,511	51,112	3,796		43,653
24	Lumber and wood products3		416	65	24	11,590		83,049		7,629	43,396
27	Printing and publishing		85	8	1	966	3,796	6,777		961	4,968
32 35	Stone, clay, and glass products. Machinery, except electrical		26 24	4	1	501 241	1,786 855	3,110 1,672		328 312	1,614 1,194
39	Miscellaneous manufactures4	18	15	2	1	273	799	1,174		213	918

**Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported <u>separately</u> for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops), which serve the manufacturing establishments of a company rather than the general public. Separate reports of central offices and auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops), which serve the manufacturing establishments of a company rather than the general public. Separate reports of central offices and auxiliary units (e.g., storage warehouses, power plants, research laboratories and auxiliary units (e.g., storage warehouses, power plants, research laboratories and auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops), which serve the manufacturing establishment served or if they service more than core manufacturing establishment general location from the establishment served or if they service more than total payroll of less than \$2,500 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments establishments establishments for individual States.

The 1954 figures included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 24:11) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 24:1) that produced more than 200,000 board feet of lumber were incl

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(The State of Idaho contains no standard metropolitan areas.)

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 (See text for explanation of column captions)

					1954				19	47
	Total	Number	of establi	ishments	All emp	oloyees	Value	Capital		Value
Standard metropolitan area and county	number of estab- lish- ments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
Idaho, total	991	785	157	49	23,819	89,925	183,850	19,462	16,907	109,694
STANDARD METROPOLITAN AREAS (None in the State)										
COUNTIES										
AdaAdams	116	89 3	24 2	3	1,976 (*)	7,303 (*)	13,263 (*)	730 (*)	1,480 (*)	7,792 (*)
Bannock	45	32	10	3	966	3,580	6,905	748	834	5,157
Bear Lake	12	12			(*)	(*)	(*)	(*)	(*)	(*)
Benewah	70	68	1	1	514	1,671	2,956	220	278	1,399
Bingham	18	16	2		167	597	1,380	(*)	283	1,509
Blaine	6 20	6 17	3	•••	(*) 270	(*) 1,135	(*) 1,792	(*) 80	(*) 165	(*) 907
Boise	53	45	5		1,210	4,522	8,154	740	756	4,198
Bonneville	35	24	7	4	964	3,353	7,419	623	836	4,283
Boundary	21	16	5		310	1,099	1,727	387	248	785
Butte	2	2	_i	•••	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)
Canyon	57	37	15	5	2,650	8,089	20,029	740	1,833	13,692
Caribou	8	7		1	(*)	(*)	(*)	(*)	(*)	(*)
Cassia	12	10	2		184	631	1,099	(*)	346	2,965
Clark	62 62	43	15	***	(*) 1,354	(*) 5,266	(*) 9,600	(*) 1,025	(*) 837	(*) 4,133
Custer	3	3		•••	· (*)	(*)	(*)	(*)	(*)	(*)
Elmore	10	7	2	1	127	520	841	(*)	169	690
Franklin	9	6	3	•••	185	573	1,517	(*)	194	1,356
Fremont	12	11 8	1 2	1	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)
Gooding.	7	7			(*)	(*)	(*)	(*) (*)	(*)	(*)
Idaho	48	37	9	2	1,096	4,374	7,637	751	430	1,888
Jefferson	6	6			(*) 279	(*) 844	(*) 1,498	(*) (*)	(*) 148	(*) 975
Jerome Kootenai.	11	9 53	1 9	1 4	1,759	6,965	12,443	1,369	885	5,526
Latah	42	34	6	2	1,016	4,385	7,834	330	825	4,675
Lemhi	14	14	•••	•••	(*)	(*)	(*)	(*)	(*)	(*)
Lewis	17	15	1	1	(*) (*)	(*)	(*)	(*)	(*) (*)	(*) (*)
Lincoln	3 8	3 5	3	:::	130	(*) 400	(*) 539	(*) (*)	101	(*) 379
Minidoka	6	5		1	(*)	(*)	(*)	(*)	(*)	(*)
Nez Perce	40	29	6	5	2,928	12,913	28,849	(*)	2,105	11,138
Oneida	1		1		(*)	(*)	(*)	(*)	(*) (*)	(*) (*)
Owyhee	2 14	2 11		 1	(*) 285	(*) 538	(*) 1,139	(*) (*)	218	935
Power	4	2	1	1	(*) (*)	(*)	(*) (*)	(*)	(*) (*)	(*) (*)
Shoshone	37	31	4	2		(*)		(*)		
Teton	3	3	•••	•••	(*)	(*)	(*)	(*) 424	(*) 943	(*) 8,382
Twin FallsValley	48 11	37 8	10	1	879 (*)	2,984 (*)	7,341 (*)	(*)	(*)	8,382
Washington	12	10	2	•••	179	476	709	(*) (*)	162	693
Yellowstone National Park (part)	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••

^{...}Represents zero.

*Detailed figures withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for the State.

PUBLICATION PLAN FOR THE 1954 CENSUS OF MANUFACTURES

ADVANCE REPORTS

Industry Reports

A separate report for each of approximately 400 manufacturing industries presenting statistics on employment, man-hours, payrolls, value added by manufacture, value of shipments, cost of materials, and new capital expenditures, derived from tabulations of the 1954 Census of Manufactures.

State Reports

A preliminary report for each State showing general statistics on employment, payrolls, man-hours, value added by manufacture, and new capital expenditures for the State, important standard metropolitan areas, and selected counties. Statistics are also shown for selected major industry groups within the State and its metropolitan areas.

Summary Reports

Three preliminary summary releases as follows: (1) U. S. totals of general statistics by industry; (2) State and regional totals of general statistics, and (3) Value of shipments for each of approximately 1,000 classes of products covering all manufacturing.

FINAL PUBLICATIONS

Industry Bulletins

Each bulletin contains explanatory text and data for groups of related manufacturing industries, showing for each industry: 1954 statistics on detailed product shipments and materials consumption in terms of quantity and value, cost of fuels and electric energy, value added by manufacture, employment, payrolls, man-hours, inventories, capital expenditures, horsepower of power equipment, water usage, and number of manufacturing establishments, with historical comparisons. Value of shipments, cost of materials, capital expenditures and employment and payroll data are shown for each industry by geographic region and State. Number of employees, value added by manufacture and number of establishments are shown by size class of establishment within industry. Data are provided on selected measures for specialized product plants.

State Bulletins

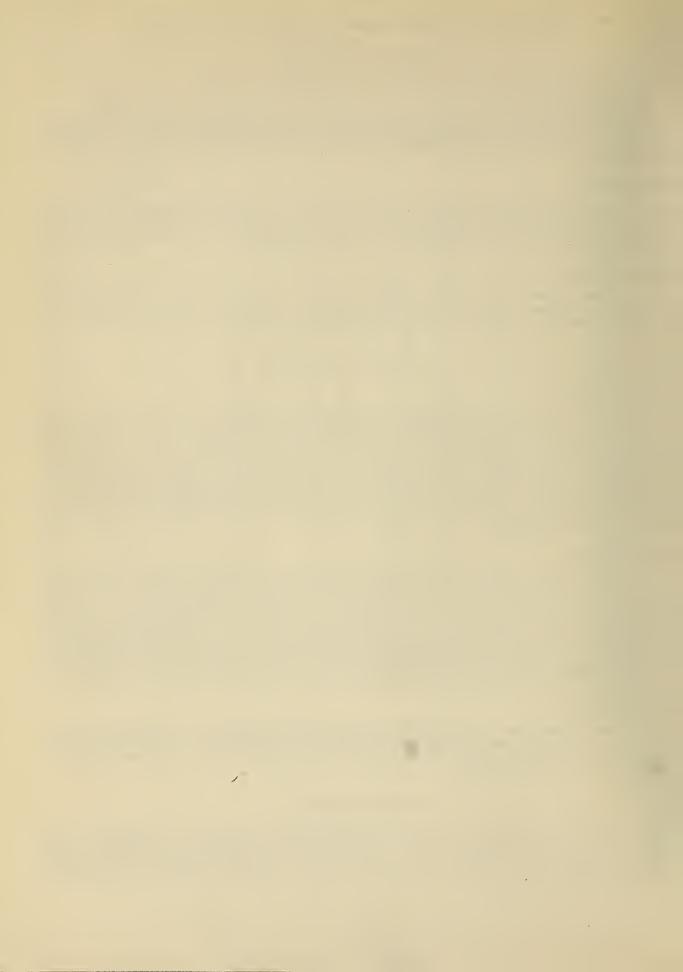
Each bulletin contains explanatory text and data for each State, showing for the State: 1954 statistics on value of shipments, value added by manufacture, employment, payrolls, manhours, new capital expenditures, and number of manufacturing establishments for important industries and industry groups, with historical comparisons. For the State's important metropolitan areas and industrial counties, similar data are shown by industry group. Totals for all manufacturing industries are shown for the above statistics (except value of shipments) for all counties, standard metropolitan areas, State economic areas, and cities with 10,000 or more population. The number of establishments in each major industry group are presented by size of establishment within county.

Subject Bulletins

Each bulletin contains explanatory text and detailed statistics for an individual subject, such as: Employment, payrolls, and man-hours; size of establishments; inventories; capital expenditures; horsepower of power equipment; fuels and electric energy; industrial water use; important materials consumed.

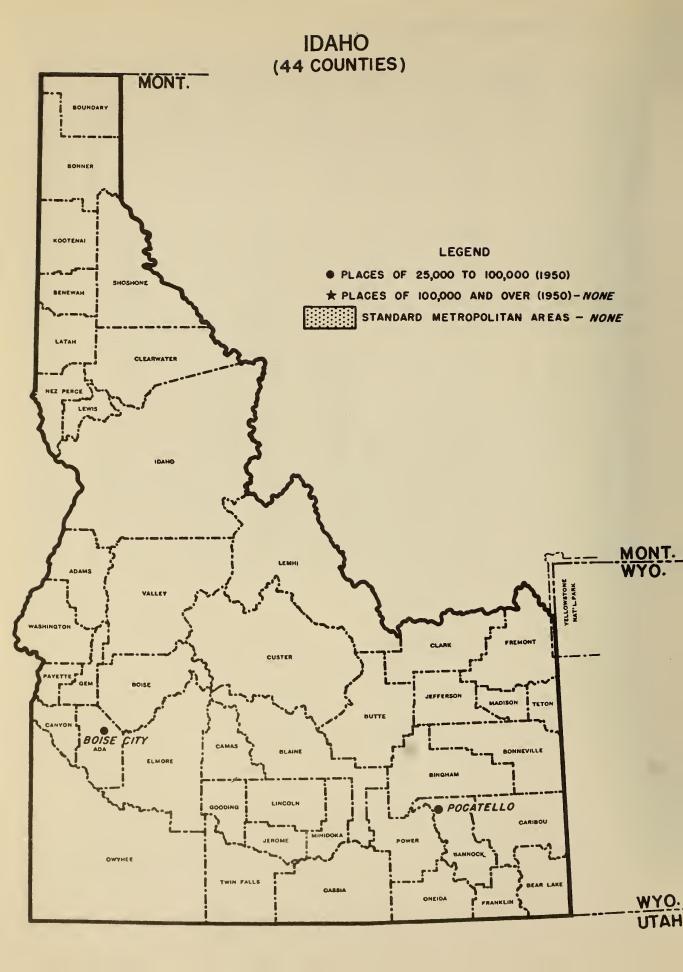
CENSUS VOLUMES

The industry, State, and subject bulletins described above will be assembled in three bound volumes, together with full explanatory texts and technical appendixes. In addition, there will be a general summary chapter in all three volumes, summary statistics chapters for major industry groups in the Industry volume, and summary statistics chapters for geographic divisions in the State volume.



Payroll, and Personnel

-							Kind-of-	business g	roup - Cor	tinued								
	merchandise roup	Appar sorie	rel, acces- s stores	Furniture, home furnishings, appliance dealers			otive group		ne service tions	hardware	bldg. matls., , farm equip- t dealers	prop	g stores, prietary tores	tary Other retail stores		Nonstore retailers		e No.
Estab- lish- ments (Number)	Sales (\$1,000)	Estab- lish- ments (Number)	Sales (\$1,000)	Estab- lish- ments (Number)	Sales (\$1,000)	Estab- lish- ments (No.)	Sales (\$1,000)	Estab- lish- ments (Number)	Sales (\$1,000)	Estab- lish- ments (Number)	Sales (\$1,000)	Estab- lish- ments (No.)	Sales (\$1,000)	Estab- lish- ments (Number)	Sales (\$1,000)	Estab- lish- ments (Number)	Sales (\$1,000)	Line
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7	889	i	(0)	3	72	2	(0)	12	525		946		114	8	152	2	(0)	L
9	602	3	311	4	199	6	9D4	8	521	6	614	2	(D)	12	(a)		***	
5	300 302	3	311		199	6	904	8	521	6	614	2	(D)	9	(D) 61	•••	•••	
,	(D)	4	190		•••	1	(D)	9	663	12	1+526	3	202	8	(a)		•••	
3	(D)	1	(D)	1	(D)	3	(D)	3	213	8	308	3	155	1	(D)		•••	
,	710	7	477	13	738	5	1,523	11	500	21	3,000	5	(D)	9	1 • 881	2	(D)	
3	(a)	7	477	13	738	5	1+523	9 2	(D)	21	3+000	4	256	9	1 • 881	2	(D)	1
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9	568 433	6	391 391	7	488 488	- 9 8	2 · 858 (D)	14	851 629	16 15	2+233 (D)	2	(D)	6	433	6 4 2	(D)	
6	135	•••	•••	•••	•••	1	(0)	4	222	1	(D)	•••	• • •	•••	•••	2	(D)	r
16 8	3+901 3+691	29 29	3+130 3+130	21 17	2,664	23	10+D72	4D 29	2+126	20 16	5+111 4+753	9	1:2D6 (D)	41 37	2:450 (D)	10 1D	72 72	
8	210	•••	•••	4	116	•••	•••	īí	409	4	358	3	(D)	4	(ō)	•••	• • •	
4	509 509	2	(D)	1	(D)	6	744 744	9	282 282	5	422 422	2	(D)	1	(D)		•••	
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5	30D	1	(0)	3	(D)	3	159	14	449	9	1 + 44D	2	(D)	13	421	• • •	•••	
5	686	6	277	5	163	11	2:496	17	95D	, 16	1+255	4	319	21	870	4	30	
4	(D)	5	(D)	4	(D)	11	21496	8 9	2D2 748	8	564 691	2 2	(D)	15 6	(D)	4	34	
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21	2+211 863	14	694 283	10	1+178 398	16	2+708	22 7 5	1,748	13 5 3	975 469	9	639 334	11	2:503	15	198	
10	957 391	6	256 155	5.	(D)	6	1+056	5 10	546 596	3 5	275 231	3	180 125	11 22	667 568	2 13	(D)	
3	178	•••		,	(D)	3	483	4	176	11	391	2	(0)	4	89			
14	6+585	29	2+259	35	2:414	29	9,888				8+697			50		17	. 770	
3	(D) 5.889	5	(D)	2	(D)	5	1 + 523	10	3 · 456 595	51 14	1:792	15	1.730 256 (D)	58 7	3:319 261	• • •	1.378	
2	(0)	23 1	(0)	28 5	2+159 (D)	21 3	8+267 98	35 16	2+09D 771	30 7	6+061 844	1D 2	(0)	44 7	21774 284	15	(D)	
6	892	•••	•••	3	(D)	6	730	14	436	8	49D	2	(0)	8	281	2	(0)	
5	934	8	436	5	634	9	2+531	14	55D	13	1 + 705	2	(0)	17	783	3	(D)	
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July 1956

Series:

MC-S12

ILLINOIS

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

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Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

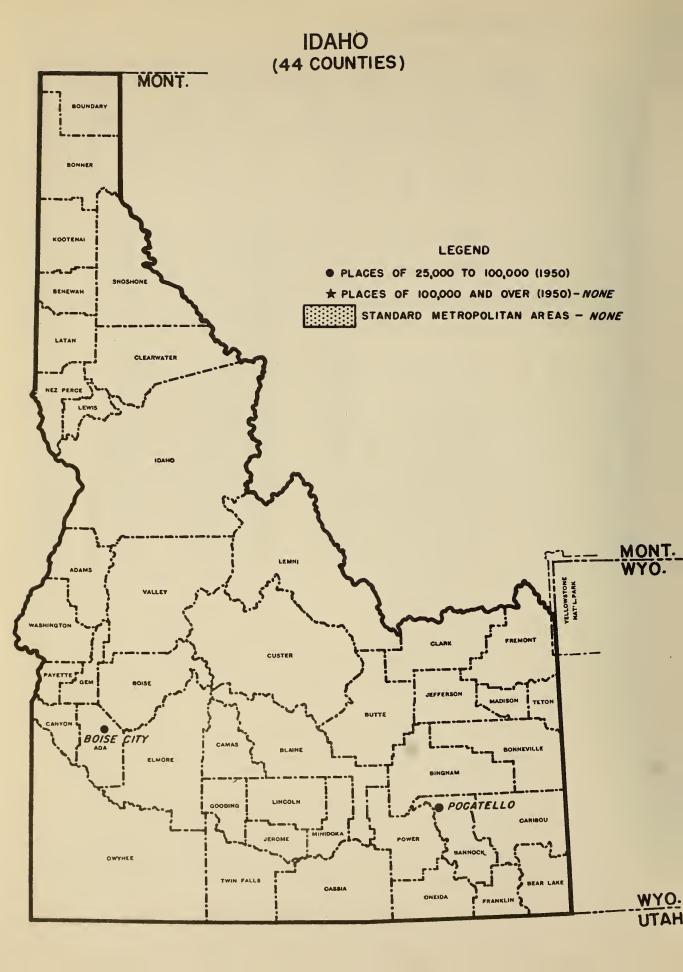
(See text for explanation of items)

(500 0040 101	CAPICITA OF CA	СШБУ		
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	17,714	15,993	+11
1-19 employees		11,332 4,265 2,117	9,591 4,308 2,080	+18 -1 +2
All employees ¹ Number Payroll	Thousands	1,183.4 5,155.0	1,186.1 3,589.4	+44
Value added by manufacture	do	9,641.6 556.0	6,683.1 478.4	+44 +16

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 42.4 thousand employees with a payroll of \$265.8 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.



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This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

(See Sex 161 explain of 182mb)										
Item	Unit of measure	1954	1947	Percent change 1947-1954						
Number of establishments, total	Number	17,714	15,993	+11						
1-19 employees	do	11,332 4,265 2,117	9,591 4,308 2,080	+18 -1 +2						
All employees ¹ Number Payroll	Thousands Million dollars	1,183.4 5,155.0	1,186.1 3,589.4	+44						
Value added by manufacture	do	9,641.6 556.0	6,683.1 478.4	+44 +16						

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 42.4 thousand employees with a payroll of \$265.8 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture.—This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

	(dee leavi 10. expranation of column capotons)										
						1954				1947	
Ind.	Major industry	Total	Number	of establi	ishments	All em	ployees ¹	Value	Capital	All employees, number 1,186,134 138,937 11,733 60,390 12,962 29,193 28,129 91,421 47,537 17,051 28,845 30,705	Value
group		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees,	added by manu- facture (\$1,000)
	All industries, total*	17,714	11,332	4,265	2,117	1,183,381	5,155,044	9,641,592	555,953	1,186,134	6,683,083
28 29 31	Food and kindred products2. Textile mill products	2,245 129 1,245 704 656 397 2,718 862 99 236 631 532	1,404 .68 757 574 411 165 2,070 545 36 131 431 223	580 40 375 106 179 143 483 209 29 55 141 166	261 21 113 24 66 89 165 108 34 50 59 143	139,435 10,112 51,138 12,264 27,237 30,143 93,185 51,908 17,085 22,018 31,253 91,809	579,244 36,949 149,476 45,541 109,981 127,006 458,942 240,020 84,283 64,950 136,134 428,304	1,307,841 61,532 232,017 67,415 178,572 224,133 752,288 656,886 215,244 117,344 256,351 816,449	67,728 2,569 4,276 2,597 7,179 11,235 27,752 54,754 42,281 2,107 17,900 55,331	11,733 60,390 12,962 29,193 28,129 91,421 47,537 17,051 28,845	1,010,268 58,980 252,257 57,351 141,142 158,113 541,841 438,305 162,137 115,201 175,996 556,338
34 35 36 37 38	Fabricated metal products	2,264 2,315 747 280 344 1,185	1,418 1,530 352 137 217 785	591 497 205 80 75 280	255 288 190 63 52 120	119,115 203,771 136,497 55,033 32,385 50,809	537,932 960,553 563,792 272,722 131,267 195,397	927,676 1,659,111 1,017,756 503,372 240,327 348,713	48,950 86,302 46,040 59,119 6,469 10,096	115,129 218,096 129,841 46,227 31,163 41,354	616,379 1,097,751 675,767 253,413 145,195 197,012

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

panies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rether than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Illinois reported 42,368 employees with a total payroll of \$265,837 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2421) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of

loggers and small mills for individual States.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3.—GENERAL STATISTICS FOR STANDARD NETROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

	(See text for explanation of column captions)										
						1954				19	47
Ind.			Number	of establ with—	ishments	All emp	ployees	Value	Capital	All	Value
group	Major industry group	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture
			project	projects	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
		CHICAGO AREA ²									
	All industries, total*	13,513	8,590	3,325	1,598	944,394	4,257,110	7,877,128	430,431	946,041	5,529,227
20 22 23 24 25 26	Food and kindred products Textile mill products. Apparel and related products. Lumber and wood products Furniture and fixtures. Pulp, paper, and products	1,246 99 1,081 366 566 334	698 57 713 282 368 146	350 29 296 69 144 118	198 13 72 15 54 70	101,035 7,341 38,591 7,515 22,437 23,203	430,531 28,494 122,860 30,571 93,152 96,838	938,599 48,378 195,485 45,448 149,926 171,572	46,307 2,345 3,446 1,118 5,965 8,516	98,808 8,775 48,134 7,332 22,743 22,169	714,614 47,125 222,905 35,257 111,102 122,656
27 28 29 31 32 33	Printing and publishing Chemicals and products Petroleum and coal products Leather and leather products Stone, clay, and glass products. Primary metal industries	2,031 712 82 187 408 384	1,495 466 26 126 265 160	397 166 27 43 104 104	139 80 29 18 39 120	81,072 38,848 22,174 9,629 16,945 118,175	410,641 184,244 111,324 35,878 73,842 565,054	672,544 517,964 233,890 57,950 141,744 1,111,805	23,991 27,230 58,889 1,446 9,663 72,698	82,470 39,031 23,327 12,914 17,032 117,815	498,878 390,369 181,044 65,804 93,650 678,036
34 35 36 37 38 39	Fabricated metal products Machinery, except electrical Electrical machinery. Transportation equipment Instruments and related products Miscellaneous manufactures ⁵	1,929 1,778 652 229 311 1,012	1,218 1,205 312 112 197 678	511 377 186 68 69 239	200 196 154 49 45 95	96,535 125,520 116,865 47,327 24,815 39,695	443,780 615,590 494,099 233,746 102,709 156,843	750,849 1,028,795 859,628 446,913 192,847 265, 0 61	37,181 48,197 35,345 31,248 5,116 8,626	89,090 134,054 117,539 42,170 25,425 33,130	487,201 701,357 629,027 236,237 123,956 167,686

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947--Continued

(See text for explanation of column captions)

		1954									1947	
Ind.		Total	Number	of establ with—	ishments	All emp	ployees 1	Value	Capital	All	Value added by	
group		number of estab-	1-19 em-	20-99 em-	100 or more	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	manu- facture	
		lishments	ployees	ployees	em- ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
						PE	ORIA AREA ⁶					
	All industries, total*	316	207	72	37	38,305	169,770	366,545	20,952	42,511	280,670	
20 24	Food and kindred products3	81 19	50 14	18 3	13 2	7,622 454	33,099 1,830	106,183 1,786	6,496 (*)	9,246 558	116,626 1,561	
26	Lumber and wood products4 Pulp, paper, and products	9	3	3	3	948	3,944	7,620	(*)	920	4,962	
27	Printing and publishing	59	48	7	4	1,947	9,222	14,887	376	1,398	6,989	
32	Stone, clay, and glass products	14	8	5	1	373	1,216	1,744	(*)	302	1,133	
34	Fabricated metal products	24	10 25	13	1	804	3,363	5,733	322	973	5,972	
35 36	Machinery, except electrical Electrical machinery	36 9	7	4 2	7	21,585	95,400 575	185,791 1,166	10,406	24,507	111,609	
39	Miscellaneous manufactures5	13	9	4		217	710	1,151	(*)	157	763	
2,				<u>'</u>			LOUIS AREA 7					
	All industries, total*	3,152	1,905	806	441	254,669	1,069,539	2,057,093	131,181	244,481	1,295,842	
20	Food and kindred products3	431	258	112	61	35,316	157,641	314,815	14,532	32,893	221,274	
22	Textile mill products	25	11	7	7	2,507	7,501	13,414	211	2,418	8,516	
23	Apparel and related products	291	134	124 28	33	15,138	40,931	75,320	554 210	19,116	76,547	
24 25	Lumber and wood products ⁴ Furniture and fixtures	105 110	77 61	36	13	1,774 5,324	6,489 19,702	8,979 29,039	613	2,947 5,295	11,465 20,612	
26	Pulp, paper, and products	83	28	31	24	8,299	32,517	53,334	4,869	7,155	35,395	
27	Printing and publishing	461	360	79	22	12,153	57,367	84,485	2,765	11,713	65,322	
28	Chemicals and products	230	143	55	32	19,270	88,888	240,662	19,012	16,984	127,531	
29	Petroleum and coal products	34	17	7	10	8,219	42,378	115,873	26,360	7,204	67,591	
30 31	Rubber products Leather and leather products	14 88	8 31	5 24	1 33	479 11,041	2,125	4,214 47,383	(*) 1,557	826 18,286	4,635 52,381	
32	Stone, clay, and glass products	123	84	26	13	8,711	32,049 34,990	66,031	4,468	9,313	46,186	
33	Primary metal industries	87	26	28	33	19,078	84,984	154,354	13,554	23,923	118,691	
34	Fabricated metal products	368	225	86	57	20,622	86,403	150,757	7,296	18,921	91,146	
35	Machinery, except electrical	351	245	72	34	19,613	86,828	143,614	5,954	20,898	106,545	
36	Electrical machinery	62	26	15	21	16,322	70,155	122,538	5,722	14,719	73,506	
37 39	Transportation equipment	50	28	7	15	29,771	139,596	284,361	20,014	18,579	112,605	
29	Miscellaneous manufactures5	184	106	52	26	17,978	66,711	124,837	2,836	9,346	37,797	

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual com panies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishments. ment. In 1954, the employment and payroll figures for such central administrative offices and auxiliary units of manufacturers in each standard metropolitan area are shown in the table below. Comparable data for 1947 are not available.

Standard metropolitan area	Employees (number)	Payrol1 (\$1,000)
Chicago	37,059	234,514
Peoria	2,500-5,000	10,000-25,000
St. Louis, Missouri	11,346	65,382

The Chicago Standard Metropolitan Area consists of Cook, Du Page, Kane, Lake, and Will Counties, Illinois; Lake County, Indiana.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing snd, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

*1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2421) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual standard metropolitan areas.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

*The Peoria Standard Metropolitan Area consists of Peoria and Tazevell Counties, Illinois, 7the St. Louis Standard Metropolitan Area consists of Madison and St. Clair Counties, Illinois; St. Louis City, St. Charles, and St. Louis Counties, Missouri Standard Metropolitan Area consists of Madison and St. Clair Counties,

St. Louis Counties, Missouri.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

	1				1954	,			19	/7
		Number	of establ	ishments		7			12	
Standard metropolitan area and county	Total number of estab- lishments	1-19 em-	with- 20-99 em-	100 or more em-	Number	Payroll	Value added by manu- facture	Capital expendi- tures, new	All employees, number	Value added by manu- facture
	11514Helios	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
Illinois, total	17,714	11,332	4,265	2,117	1,183,381	5,155,044	9,641,592	555,953	1,186,134	6,683,083
STANDARD METROPOLITAN AREAS ¹										
Chicago area, total ²	13,513 13,151 362	8,590 8,386 204	3,325 3,259 66	1,598 1,506 92	944,394 845,136 99,258	4,257,110 3,780,590 476,520	7,877,128 6,905,370 971,758	430,431 329,527 100,904	946,041 853,151 92,890	5,529,227 4,941,849 587,378
Davenport-Rock Island-Moline area, total ³ Portion in Illinois Portion in Iowa	367 198 169	230 120 110	73 39 34	64 .39 .25	35,408 22,878 12,530	154,927 102,571 52,356	283,125 176,773 106,352	19,270 14,326 4,944	37,322 28,050 9,272	171,663 128,515 43,148
Decatur area ⁴ Peoria area ² Rockford area ⁵	141 316 443	78 207 262	36 72 109	27 37 72	12,431 38,305 38,961	53,168 169,770 179,087	99,176 366,545 316,914	18,071 20,952 16,874	10,310 42,511 35,054	82,565 280,670 188,535
St. Louis area, total ² 6	3,152 454 2,698	1,905 277 1,628	806 105 701	441 72 369	254,669 55,737 198,932	1,069,539 246,195 823,344	2,057,093 484,903 1,572,190	131,181 69,185 61,996	244,481 59,280 185,201	1,295,842 323,517 972,325
Springfield area 7	155	106	33	16	12,816	53,256	111,206	4,022	12,047	54,976
COUNTIES										
Adams. Alexander. Bond. Boone.	112 30 14 40	68 16 9 23	28 11 2 12	16 3 3 5	7,093 982 1,441 1,612	24,426 2,846 1,669 6,211	69,749 4,486 3,429 10,535	2,708 169 (*) 400	9,860 1,159 518 1,911	43,193 5,598 2,410 9,313
Brown	8	7	1		108	339	952	(*)	40	92
Bureau Calhoun.	46	30 6	12	4	1,789 (*)	6,742 (*)	13,410	568 (*)	1,602 (*)	6,934 (*)
Carroll	19 16	15 12	4 2		418 504	1,513 1,680	3,375 2,788	(*) (*)	327 393	1,251 2,824
Champaign	76	54	16	. 6	1,995	8,092	12,668	746	2,172	11,712
ChristianClark	40 22	26 19	8 2	6 1	1,630 361	5,017 716	9,254 1,223	471 21	1,130 546	7,059 2,824
ClayClinton	11 38	7 25	2 7	2	(*) 1,792	(*) 5,352	(*) 10,878	(*) 674	(*) 1,118	(*) 6,738
Coles	54	39	10	5	2,991	8,898	18,853	490	3,375	12,947
Cook. Crawford.	12,069	7,703 20	3,007 1	1,359	767,631 1,659	3,445,056 6,792	6,271,782	290,735 4,638	788,872 1,192	4,547,449 7,322
Cumberland. De Kalb.	16 87	11 55	3	2 16	571	1,063 23,327	1,727 43,400	(*)	533 5,714	1,579 28,084
De Witt.	10	8	16 1	1	5,913 (*)	(*)	(*)	2,652 (*)	(*)	(*)
Douglas Du Page	16 228	11 164	3	2	832	4,069	10,322	(*)	392	1,573
Edgar	25	17	55 3	9 5	5,677 923	22,968 2,937	47,037 5,415	3,642 101	2,863 1,018	15,554 4,363
Edwards	9 26	8 17	1 6	3	(*) 1,353	(*) 4 , 203	(*) 6,794	(*) 367	(*) 1,628	(*) 6,047
Fayette	22	17	2	3	(*)	(*)	(*)	(*)	(*)	(*)
FordFranklin	19 35	12 26	5	2	(*) 834	(*) 1,986	(*) 4 , 179	(*) 371	(*) 474	(*) 1,353
FultonGallatin	30 3	25 2	4	1	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*)
Greene	26	20	6		385	961	1,296	80	305	890
Grundy Hamilton	30 11	19	4 2	7	2,039 (*)	9,678 (*)	21,224	724 (*)	1,801 (*)	8,284
HancockHardin	24	15 2	9		460 (*)	1,414 (*)	2,787 (*)	174 (*)	420 (*)	1,725
Henderson	5	4	1		(*)	(*)	(*)	(*)	(*)	(*)
HenryIroquois	56 31	39 24	12	5 4	3,859 1,185	13,447 3,113	21,450 5,445	1,456 140	4,339 955	18,356 3,378
Jackson. Jasper	40	29	5	6	1,966	5,542	11,059	617	1,479	6,331
Jefferson	37	23	8	6	3,207	12,071	20,360	453	3,302	12,309
Jersey Jo Daviess	8 28	23	3	1	531 419	1,537	3,330 3,119	(*) 181	706 598	2,876
Johnson	5	4	1	• • •	(*)	1,357	(*)	(*)	(*)	2,164
Kane Kankakee	103	221 60	88 22	62 21	27,827 9,140	118,370 38,025	207,368 87,412	9,055 3,866	26,552 7,417	138,002 37,494
Kendall	23	11	10	2	1,386	5,213	5,934	133	954	5,326
KnoxLake	63 285	42 187	12 56	9 42	5,261 23,889	21,786 107,137	40,781 212,428	1,678 10,895	4,376 20,482	21,943 139,396
La Salle	147	79	36	32	17,562	74,366	161,280	8,061	16,839	98,898
LawrenceLee	24 44	19 27	4 11	1	(*) 2,093	(*) 8,413	(*) 18,902	(*) 671	2,001	(*) 12,248
Livingston Logan	36 26	19 ' 17	13 4	4 5	1,455 1,717	4,837 5,447	9,478 18,188	1,011	1,509 782	4,955 2,793
McDonough	32	18	8	6	1,611	5,702	9,226	782	1,514	5,632

ILLINOIS

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947—Continued

(See text for explanation of column captions)

		(See tex	C TOT EXP.	Lana CION C	1954	, , ,			19	47
		Number	of establ	ishments	All em	ployees				
Standard metropolitan area and county	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)
COUNTIES—Continued										
McHenry, McLean, Macon Macoupin Madison,	136 85 141 41 200	89 57 78 33 129	34 18 36 6 37	13 10 27 2 34	6,675 4,826 12,431 635 32,796	24,855 18,088 53,168 1,464 149,928	58,828 46,055 99,176 2,488 314,450	2,315 5,893 18,071 101 45,690	4,650 4,520 10,310 · 596 34,122	22,248 26,335 82,565 1,815 199,632
Marion. Marshall Mason. Massac. Menard.	47 17 16 14 9	32 11 13 10 8	10 5 3 2 1	5 1 2	2,253 610 239 725 119	6,236 1,777 1,083 1,535 407	10,549 2,658 1,601 2,049 1,037	242 (*) (*) (*) (*)	1,767 412 589 998 97	8,983 1,873 2,307 3,222 421
Mercer. Monroe. Montgomery Morgan. Moutrie	12 15 52 31 14	7 13 37 21 11	5 2 10 4 2	 5 6	269 174 1,792 1,985 573	988 473 5,349 6,211 1,402	1,364 849 8,327 16,688 3,106	(*) (*) 1,000 926 (*)	263 184 2,139 1,352 552	744 488 9,543 5,209 2,036
Ogle. Peoria. Perry. Piatt. Pike.	58 245 24 18 28	35 160 18 15 24	15 58 3 2 2	8 27 3 1 2	3,220 15,522 884 250 (*)	13,333 70,975 2,375 761 (*)	20,217 159,594 3,830 3,642 (*)	1,839 7,987 947 (*) (*)	3,097 17,476 897 307 (*)	16,726 158,056 2,708 2,204 (*)
Pope. Pulaski Putnam Randolph Richland	2 8 1 33 12	2 4 1 21 7	3 6 3	1 6 2	(*) 294 (*) 2,320 (*)	(*) 782 (*) 6,429 (*)	(*) 923 (*) 14,794 (*)	(*) (*) (*) 532 (*)	(*) 468 (*) 2,370 (*)	(*) 1,245 (*) 9,217 (*)
Rock Island. St. Clair. Saline. Sangamon. Schuyler.	198 254 23 155 8	120 148 15 106 5	39 68 8 33 2	39 38 16 1	22,878 22,941 517 12,816 (*)	102,571 96,267 1,458 53,256 (*)	176,773 170,453 2,617 111,206 (*)	14,326 23,495 107 4,022 (*)	28,050 25,158 380 12,047 (*)	128,515 123,885 1,123 54,976 (*)
Scott. Shelby Stark Stephenson Tazewell.	4 15 11 70 71	2 12 8 47 47	2 1 3 15 14	2 8 10	(*) 679 246 5,836 22,783	(*) 2,347 884 21,840 98,795	(*) 2,551 1,774 39,435 206,951	(*) (*) (*) 2,970 12,965	(*) 872 292 4,686 25,035	(*) 2,958 1,356 18,846 122,614
Union. Vermilion. Wabsh. Warren. Washington. Wayne.	21 126 14 24 27 13	14 68 7 14 22 10	6 34 4 8 4	1 24 3 2 1 2	768 9,584 588 827 571 (*)	1,695 36,889 2,203 2,308 2,185 (*)	3,228 73,356 4,516 4,068 3,735 (*)	146 5,050 (*) 258 68 (*)	940 7,495 1,274 599 572 (*)	2,370 33,377 3,994 2,491 2,170 (*)
White Whiteaide. Will Williamson Winnebago Woodford	21 69 198 48 443 23	15 38 111 35 262 16	5 20 53 8 109 6	1 11 34 5 72	507 6,599 20,112 3,435 38,961 505	1,103 29,562 87,059 9,948 179,087 1,649	1,908 56,020 166,755 23,314 316,914 2,614	2,723 15,200 705 16,874 157	343 6,187 14,382 1,158 35,054 496	1,203 37,573 101,448 4,876 188,535

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Davenport-Rock Island-Moline. Decatur. Rockford. St. Louie. Springfield.	500-1,000 20-50 0 11,346 20-50	5,000-10,000 500-1,000 0 65,382 100-250

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

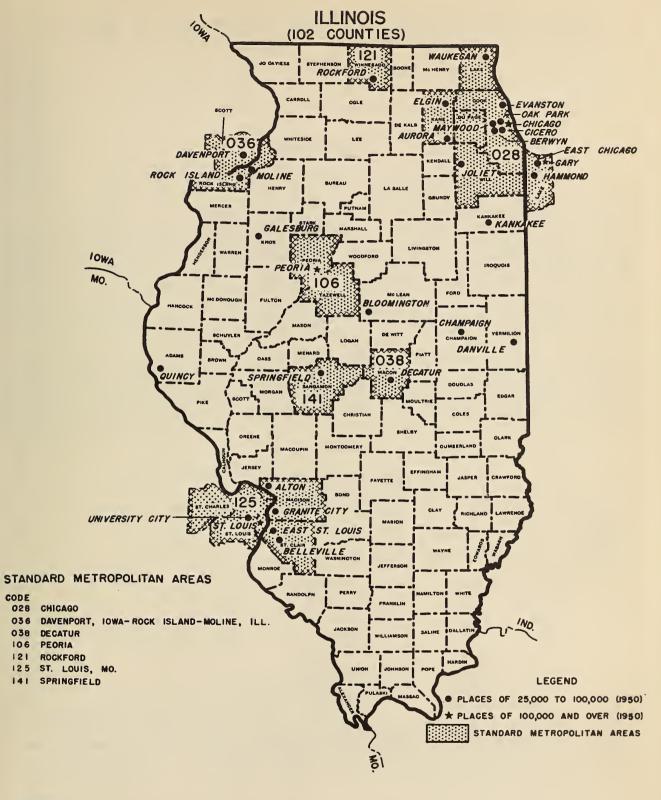
Por definitions of atandard metropolitan areas, and the central administrative office and auxiliary unit employment and payroll for these areas, see Table 3 footnotes.

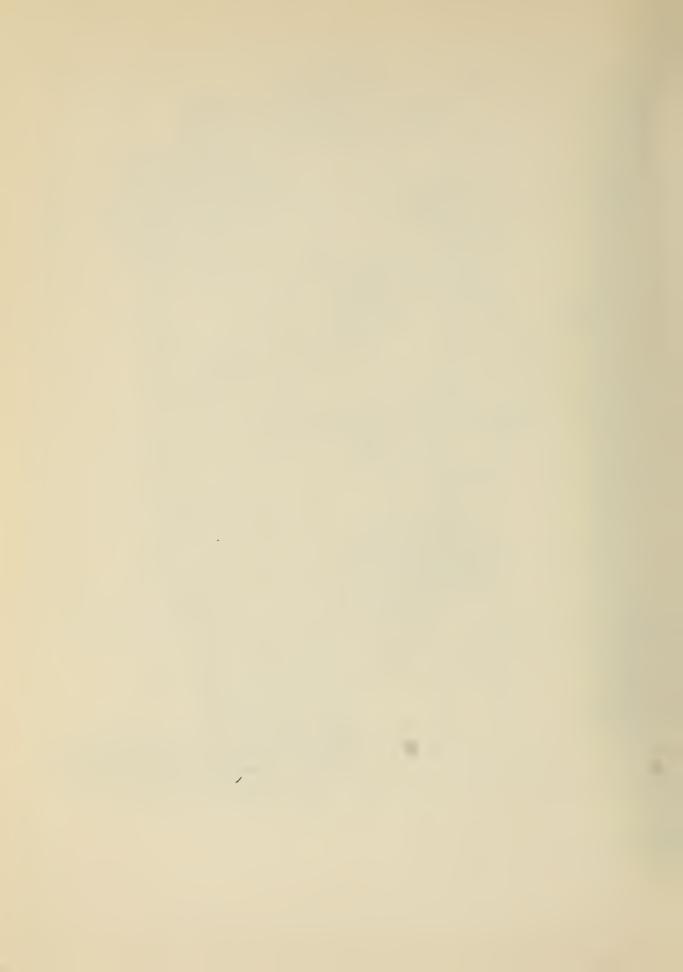
The Davenport-Rock Island-Moline Standard Metropolitan Area consists of Rock Island County, Illinois; Scott County, Iowa.

The Decatur Standard Metropolitan Area consists of Macon County, Illinois.

The Rockford Standard Metropolitan Area consists of Winnebago County, Illinois.

The St. Louis Standard Metropolitan Area Consists of Madison and St. Clair Counties, Illinois; St. Charles and St. Louis Counties and St. Louis City, Missouri. City, Miasouri.
The Springfield Standard Mctropolitan Area consists of Sangamon County, Illinois.





July 1956

Series:

MC-S13

INDIANA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

/pcc 00x0 101	explanation of it	CMC /		
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	6,380	5,403	+18
1-19 employees		4,044 1,479 857	3,213 1,363 827	+26 +9 +4
All employees ¹ Number	Thousands	582.9	548.3	+6
Payroll Value added by manufacture Capital expenditures, new	Million dollarsdo	2,505.6 4,615.0 301.5	1,582.8 2,970.0 302.1	+58 +55 0

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 5.0 thousand employees with a payroll of \$28.0 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. --This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. —GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	47
Ind.	Major industry	Total	Number	of establ	ishments	All em	ployees ¹	Value	Capital	A11	Value
group	group	mumber of estab- lishments	1-19	20-99 em- ployees	100 or more em- ployees	Number '	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
	All industries, total*	6,380	4,044	1,479	857	582,945	2,505,558	4,614,596	301,473	548,260	2,969,961
20 21	Food and kindred products2	1,203	779	328	96 2	48,652 910	187,181	396,553 3,291	20,620 (³)	44,761 1,353	291,369 4,108
22	Tobacco manufsctures Textile mill products	22	6 9	4	9	2,629	2,043 8,190	13,200	426	6,577	24,999
23	Apparel and related products	194	89	61	44	15,102	35,970	59,520	964	16,148	57,256
24	Lumber and wood products4	533	427	88	18	10,814	35,879	60,848	3,190	9,224	36,425
25	Furniture and fixtures	297	125	110	62	22,169	77,305	118,702	3,971	21,438	84,598
26	Pulp, paper, and products	96	34	29	33	9,456	37,703	67,250	5,359	9,020	55,788
27	Printing and publishing	799	644	124	31	18,040	76,107	125,844	5,392	15,680	82,623
28 29	Chemicals and products	250	163 20	53	34 13	26,719	133,290	338,286	21,518	20,272	246,144
29	Petroleum and coal products	38	20	5	ם	15,325	79,537	169,805	52,995	16,500	113,371
30	Rubber products	50	24	9	17	14,957	63,987	106,245	6,167	15,639	63,760
31	Leather and leather products	22	11	. 4	7	2,156	5,718	10,762	(3)	2,951	10,692
32	Stone, clay, and glass products	393	261	80	52	23,119	89,798	174,679	10,572	21,117	105,759
33	Primary metal industries	236	92	66	78	86,028	403,505	766,505	49,995	82,295	449,218
34	Fsbricated metal products	645	387	170	88	42,337	182,190	305,081	18,631	40,886	198,848
35	Machinery, except electrical	875	597	184	94	61,461	276,999	476,177	21,138	75,251	376,415
36	Electrical machinery	166	68	40	58	68,350	283,940	543,979	25,887	55,143	252,527
37	Transportation equipment	208	87	49	72	91,775	431,617	729,821	47,661	79,960	456,906
38	Instruments and related products.	54	35	12	7	2,879	10,693	20,529	915	2,611	10,474
39	Miscellaneous manufactures 5	290	186	62	42	20,089	83,899	127,511	5,886	11,434	48,681

*The sum of industry group figures may not equal the "All industries" total, due to the independent rounding of detail and total figures.

'In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the mamifacturing establishments of a company, rather than the general public. Separate reports of central offices and auxilisries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Indians reported 4,779 employees with a total payroll of \$28,011 thousand. Comparable data for 1947 are not svailable.

'The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

'Totals include data for industry groups which have been withheld from publication in order to (s) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

'1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board

small mills for individual States.

5Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories," (Establishments are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.) (Establishments which

Table 3.—General Statistics for Standard metropolitan areas with 40,000 or more manufacturing employees, by major industry group: 1954 and 1947

			(Dee tex	t lor ext	Tana CION	or cormun ca	P(TORB)				
						1954				19	47
Ind.			Number	of establ	ishments	shments All employees 1		Value	Capital	A11	Value
group		Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
			CHICAGO AREA ²								
	All industries, total	13,514	8,590	3,325	1,599	944,644	4,258,410	7,878,128	430,431	946,041	5,529,227
22	Food and kindred products Textile mill products Apparel and related products Lumber and wood products Furniture and fixtures Pulp, paper, and products	1,081 366 566	698 57 713 282 368 146	350 29 2% 69 144 118	198 13 72 15 54 70	101,035 7,341 38,591 7,515 22,437 23,203	430,531 28,494 122,860 30,571 93,152 96,838	938,599 48,378 195,485 45,448 149,926 171,572	46,307 2,345 3,446 1,118 5,965 ,8,516	98,808 8,775 48,134 7,332 22,743 22,169	714,614 47,125 222,905 35,257 111,102 122,656
27 28 29 31 32 33	Printing and publishing	82	1,495 466 26 126 265 160	397 166 27 43 104 104	139 80 29 18 39 120	81,072 38,848 22,174 9,629 16,945 118,175	410,641 184,244 111,324 35,878 73,842 565,054	672,544 517,964 233,890 57,950 141,744 1,111,805	23,991 27,230 58,889 1,446 9,663 72,698	82,470 39,031 23,327 12,914 17,032 117,815	498,878 390,369 181,044 65,804 93,650 678,036
35 36 37 38 39	Fabricated metal products	652 229 311	1,218 1,205 312 112 197 678	511 377 186 68 69 239	200 197 154 49 45 95	96,535 125,770 116,865 47,327 24,815 39,695	443,780 616,890 494,099 233,746 102,709 156,843	750,849 1,029,795 859,628 446,913 192,847 265,061	37,181 48,197 35,345 31,248 5,116 8,626	89,090 134,054 117,539 42,170 25,425 33,130	487,201 701,357 629,027 236,237 123,956 167,686

Table 3.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947--Continued

(See text for explanation of column captions)

						1954		<u> </u>	,,, ,,	19	1947		
Ind.		Total	Number	of establ with—	ishments	All em	ployeesl	Value	Cspital	All	Value		
group		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture		
			projects	projects	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)		
						INDLA	NAPOLIS AREA	.6		,			
	All industries, total*	1,116	729	253	134	101,744	463,273	835,039	47,511	92,259	483,375		
20 23 24	Food and kindred products ³ Apparel and related products Lumber and wood products ⁴	33	66 22 22	37 7 11	24 4	11,622 1,554 705	51,292 3,689 2,259	89,860 5,639 4,431	3,913 285 86	10,925 2,197 647	67,022 9,950 2,172		
25	Furniture and fixtures	42	27	12	3	1,144	4,194	7,265	190	1,284	5,767		
26 27 28	Pulp, peper, and products Printing and publishing Chemicals and products	22 191 63	6 144 36	7 36 17	9 11 10	2,312 5,425 9,217	9,308 24,876 49,880	14,965 41,644 104,735	526 1,862 6,631	1,977 4,796 8,721	12,313 27,833 79,149		
29	Petroleum and coal products	9	7	1	1	337	2,003	5,279	(*)	797	5,121		
32 33	Stone, clay, and glass products Primary metal industries	29 28	23 14	5 7	1 7	1,052 2,888	4,160 12,943	6,454 24,443	537 1,110	944 4,382	5,028 16,942		
34 35	Fabricated metal products Machinery, except electrical	144 241	92 177	33 48	19 16	7,543 11,506	31,759 53,443	45,983 91,563	2,598 3,048	8,817 13,148	38,193 66,397		
36 37	Electrical machinery	36 36	21 16	7	8 11	16,201 25,245	66,505 126,507	147,167 213,590	4,618 20,633	8,268 17,976	43,456 70,933		
38	Instruments and related products. Miscellaneous manufactures 5	15 53	11	3 11	1	376 1,541	1,340 6,018	2,328 10,072	(*) 219	645 1,515	2,624 7,464		
29	FIISCELIAMEOUS MANUTAC CUres	23					SVILLE AREA	10,072	217	1,010	7,404		
		["All man	ufacturin	g" totals	for the	Louisville S	tandard Metr	opolitan Are	a (which inc	ludes Clark	and Floyd		
								tistics for Kentucky, MC		shown in th	e 1954		
						SOUT	H BEND AREA						
	All industries, totsl	333	225	75	33	43,640	201,736	320,601	7,560	44,139	234,908		
20 23	Food and kindred products ³ Apparel and related products	58 10	38 5	15	5	1,851 1,417	8,317 4,080	16,266	939 (*)	1,492 1,930	9,973 6,542		
24	Lumber and wood products4	15	8	7		286	1,245	7,731 1,896	(*)	256	1,092		
27 32	Printing and publishing Stone, clay, and glass products	48 11	45	2	1	787 162	3,700 669	6,401 1,080	346 (*)	624 66	3,731 238		
33	Primary metal industries	9	5	3	1	382	1,882	2,626	(*)	401	2,303		
34 35	Fsbricsted metal products Machinery, except electrical	49 57	36 31	10 17	3	952 5,568	4,181 28,410	5,722 41,746	380 1,721	731 6,993	3,248 33,460		
39	Miscellaneous manufactures5	18	15	í	2	948	4,382	6,244	(*)	654	2,682		

*Totals include data for industry group which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

.Represents zero.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices an auxiliaries were obtsined if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, the employment and payroll figures for such central sodministrative offices and suxiliary units of manufacturers in each standard matropolitan area are shown in the table below. Comparable data for 1947 are not svailable.

Standard metropolitan ares	Employees (number)	Payroll (\$1,000)
Chicago Indianspolis	37,059 500-1,000	234,514 5,000-10,000
South Bend	0	0

The Chicago Standard Metropolitan Area consists of Lake Couty, Indisns; Cook, Du Psge, Kane, Lake and Will Counties, Illinois.

3The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

41954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 dats. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Savmills and Planing Mills (Industry 2421) that produced meet than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and savmills were included in the Census. It is estimated that, for the United States as a whole, sll loggers plus those mills producing less than 200,000 board feet secount for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual standard metropolitan areas.

5 Includes privately owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

6 The Indianapolis Standard Metropolitan Area consists of St. Joseph County, Indiana.

7 The South Bend Standard Metropolitan Area consists of St. Joseph County, Indiana.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)												
					1954				19	47		
Standard metropolitan area and county	Total number of estab- lishments	1-19 em-	of establ with— 20-99 em- ployees	100 or more em- ployees	All em	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)		
Indiana, total	6,380	4,044	1,479	857	580,045	2,492,558	4,598,596	301,473	548,260	2,969,961		
STANDARD METROPOLITAN AREAS ¹												
Chicago area, total ²	13,514	8,590	3,325	1,599	944,644	4,258,410	7,878,128	430,431	946,041	5,529,227		
	362	204	66	92	99,258	476,520	971,758	100,904	92,890	587,378		
	13,152	8,386	3,259	1,507	845,386	3,781,890	6,906,370	329,527	853,151	4,941,849		
Evansville area ³	220	116	62	42	32,716	137,620	236,343	7,610	29,053	138,922		
	309	196	69	44	32,490	148,242	276,514	11,690	38,953	224,305		
	1,116	729	253	134	101,744	463,273	835,039	47,511	92,259	483,375		
Louisville area, totsl ⁶	822	437	229	156	85,325	356,296	846,107	91,073	73,853	489,435		
	115	69	31	15	14,247	59,017	113,168	6,313	7,885	69,101		
	707	368	198	141	71,078	297,279	732,939	84,760	65,968	420,334		
Muncie area ⁷	165	92	48	25	17,454	79,789	148,537	21,128	17,985	106,008		
South Bend area ⁵	333	225	75	33	43,640	201,736	320,601	7,560	44,139	234,908		
Terre Haute area ⁸	161	93	39	29	11,247	44,183	88,264	6,583	9,630	62,213		
COUNTIES												
Adams. Allen. Bartholomew. Benton. Blackford.	40 309 84 9 31	20 196 54 7 22	15 69 17 2 4	5 44 13 	2,264 32,490 7,710 113 1,565	8,718 148,242 31,014 346 5,557	19,907 276,514 68,110 663 8,860	649 11,690 2,868 (*) 869	2,473 38,953 6,382 121 1,861	15,674 224,305 32,374 648 8,648		
Boone. Brown. Carroll. Cass.	42 13 27 56 46	30 12 19 36 31	8 1 6 15	2 5 5	1,668 (*) 767 3,618 9,991	6,686 (*) 2,228 12,131 45,233	11,093 (*) 4,265 22,163 93,072	1,066 (*) 226 761 4,889	1,425 (*) 656 3,397 3,974	7,815 (*) 2,560 15,202 53,969		
Clay Clinton Crawford Daviess Dearborn	32	17	10	5	1,432	4,969	7,240	406	1,524	6,486		
	31	15	9	7	2,124	7,635	12,288	625	1,842	8,383		
	16	13	3		169	357	467	(*)	79	157		
	22	16	4	2	940	3,155	5,343	123	1,383	4,093		
	40	25	7	8	4,288	15,226	52,973	1,252	5,228	71,661		
Decatur. De Kalb. Delaware Dubois. Elkhart.	27	18	9		525	1,653	3,389	397	324	1,406		
	69	46	15	8	2,733	10,437	17,199	1,011	2,490	11,147		
	165	92	48	25	17,454	79,789	148,537	21,128	17,985	106,008		
	83	45	25	13	3,262	9,928	15,709	489	3,069	13,180		
	317	191	86	40	16,867	72,420	148,971	5,945	15,478	83,167		
Fayette.	24	12	4	8	5,830	23,373	35,678	2,644	6,521	39,594		
Floyd.	69	38	21	10	4,256	13,784	20,096	1,424	3,911	15,132		
Fountain.	14	8	5	1	968	3,800	4,880	(*)	1,369	3,915		
Franklin.	14	7	5	2	481	1,532	2,655	(*)	290	1,427		
Fulton.	26	15	8	3	850	2,968	5,719	240	631	2,465		
Gibson.	31	22	4	5	1,823	7,014	9,860	742	1,146	6,134		
Grant.	126	77	28	21	10,987	42,066	72,390	6,414	10,688	54,615		
Greene.	33	24	8.	1	703	2,038	4,221	179	520	2,068		
Hamilton.	39	27	9	3	2,352	9,133	15,964	1,432	2,646	9,844		
Hancock.	32	21	10	1	552	1,851	3,825	153	439	1,438		
Harrison.	20	17	2	1	415	1,222	2,108	78	433	2,536		
Hendricks	25	22	3		223	763	1,193	107	89	225		
Henry.	57	36	15	6	4,736	20,917	34,717	1,093	5,769	25,233		
Hovard.	87	55	19	13	13,690	58,011	92,320	5,203	11,626	51,022		
Huntington.	67	42	13	12	3,514	12,216	20, 9 86	684	3,921	17,671		
Jackson.	48	25	13	10	3,179	9,872	18,771	726	3,283	13,584		
Jasper.	18	15	3		265	835	1,732	(*)	150	467		
Jay.	39	24	9	6	3,193	11,644	21,227	1,109	3,343	14,346		
Jefferson	25	15	8	2	(*)	(*)	(*)	(*)	(*)	(*)		
Jennings.	14	9	3	2	454	1,371	2,390	(*)	481	1,412		
Johnson	38	22	12	4	2,049	7,134	14,835	629	1,564	7,534		
Knox	48	34	8	6	2,023	7,383	13,402	488	1,814	8,451		
Kosciusko	109	76	26	7	2,972	11,177	21,885	1,084	2,489	11,872		
Lagrange	22	19	3		169	544	1,109	232	185	813		
Lake	362	204	66	92	99,258	476,520	971,758	100,904	92,890	587,378		
La Porte.	160	82	41	37	16,123	67,125	112,027	4,788	13,663	70,778		
Lawrence.	45	25	9	11	4,865	18,564	28,308	816	2,956	12,314		
Madison.	151	91	37	23	25,784	115,139	206,791	(*)	26,048	125,395		
Marion.	1,116	729	253	134	101,744	463,273	835,039	47,511	92,259	483,375		
Marshall.	68	50	13	5	1,634	5,645	9,872	593	2,161	8,916		

INDIANA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued (See text for explanation of column captions)

					1954	-			19	47
Chandond pohyanolikan		Number	of establ with—	ishments	All em	ployees	Value	Capital	A11	Value
Standard metropolitan area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
COUNTIESContinued										
Martin. Miami. Monroe. Montgomery. Morgan.	17 66 59 39 43	15 40 34 21 29	1 20 20 11 14	1 6 5 7	228 2,611 5,742 2,953 821	663 8,298 19,441 12,151 2,668	1,015 15,399 48,968 18,652 4,803	(*) 614 1,189 1,007 269	616 2,978 3,386 2,569 761	1,762 12,499 14,150 10,923 2,494
Newton Noble. Ohio. Orange.	15 67 4 31 16	12 46 3 25 12	2 14 1 4 4	1 7 2	308 2,920 (*) (*) 174	883 9,298 (*) (*) 476	1,696 13,399 (*) (*) 899	(*) 1,111 (*) (*) (*)	287 2,324 (*) (*) 228	810 9,167 (*) (*) 496
Parke. Perry. Pike. Porter. Posey.	18 28 12 54 20	14 18 12 35 16	3 5 14 3	1 5 5	276 3,363 (*) 2,229 429	892 10,124 (*) 8,914 1,504	2,349 18,816 (*) 15,572 3,650	(*) 423 (*) 1,025 195	284 3,158 (*) 2,077 418	911 11,763 (*) 10,438 3,581
Pulaski Putnam. Randolph Ripley. Rush	19 17 53 38 27	16 12 38 28 17	3 2 8 7 8	3 7, 3 2	292 691 3,695 1,522 1,001	726 2,561 13,054 5,602 3,414	1,387 6,529 21,974 10,203 8,161	(*) (*) 2,139 314 - 427	239 530 2,976 1,043 1,163	838 2,915 12,294 3,862 5,805
St. Joseph. Scott. Shelby. Spencer. Starke.	333 16 60 19 20	225 11 32 17 17	75 3 21 2 2	33 2 7 	43,640 (*) 2,721 237 254	201,736 (*) 8,518 651 632	320,601 (*) 11,491 1,098 814	7,560 (*) 765 (*)	44,139 (*) 2,816 292 222	234,908 (*) 11,346 1,024 800
Steuben. Sullivan. Switzerland. Tippecanoe. Tipton.	37 16 5 69 26	35 15 4 33 13	1 1 23 10	1 1 13 3	565 174 (*) 8,361 953	2,142 402 (*) 36,032 3,266	4,459 622 (*) 68,474 6,436	196 (*) (*) 8,142 458	411 221 (*) 6,980 989	2,451 625 (*) 37,936 5,256
Union Vanderburgh Vermillion Vigo Vabash Varren.	6 220 25 161 66 4	5 116 18 93 40 4	1 62 4 39 13	42 3 29 13	(*) 32,716 1,970 11,247 4,464 (*)	(*) 137,620 9,171 44,183 17,132 (*)	(*) 236,343 14,776 88,264 29,955 (*)	(*) 7,610 71 6,583 1,251 (*)	(*) 29,053 506 9,630 4,351 (*)	(*) 138,922 1,856 62,213 17,517 (*)
Warrick. Waahington. Wayne. Wells. White. Whitey.	20 30 124 35 22 37	18 21 71 25 19 21	1 8 27 9 1	1 26 1 2 5	302 1,055 12,533 1,170 1,252 1,650	723 2,845 53,514 4,524 3,906 5,660	951 4,262 89,624 7,809 4,806 9,916	40 337 3,812 451 181 444	213 756 13,559 793 1,027 1,275	889 2,030 72,065 3,603 2,699 6,635

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Chicago. Evansville. Fort Wayne Louisville Muncie.	37,059 50-100 2,175 3,886	234,514 250-500 12,342 21,318
Terre Haute	20-50	100-250

⁽For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

The Chicago Standard Metropolitan Area consists of Lake County, Indiana; Cook, Du Page, Kane; Lake and Will Counties, Illinois.

The Evansville Standard Metropolitan Area consists of Vanderburgh County, Indiana.

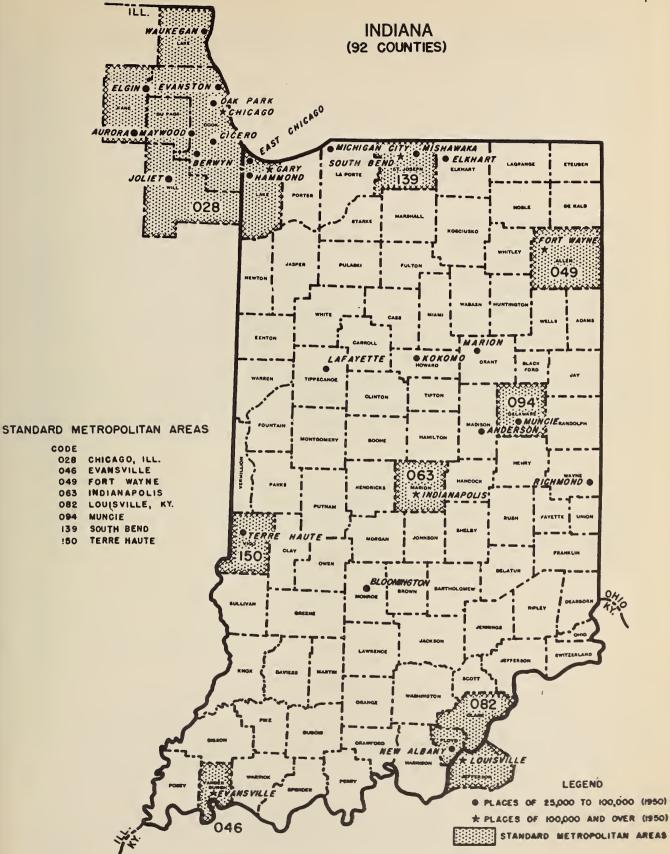
The Fort Wayne Standard Metropolitan Area consists of Allen County, Indiana.

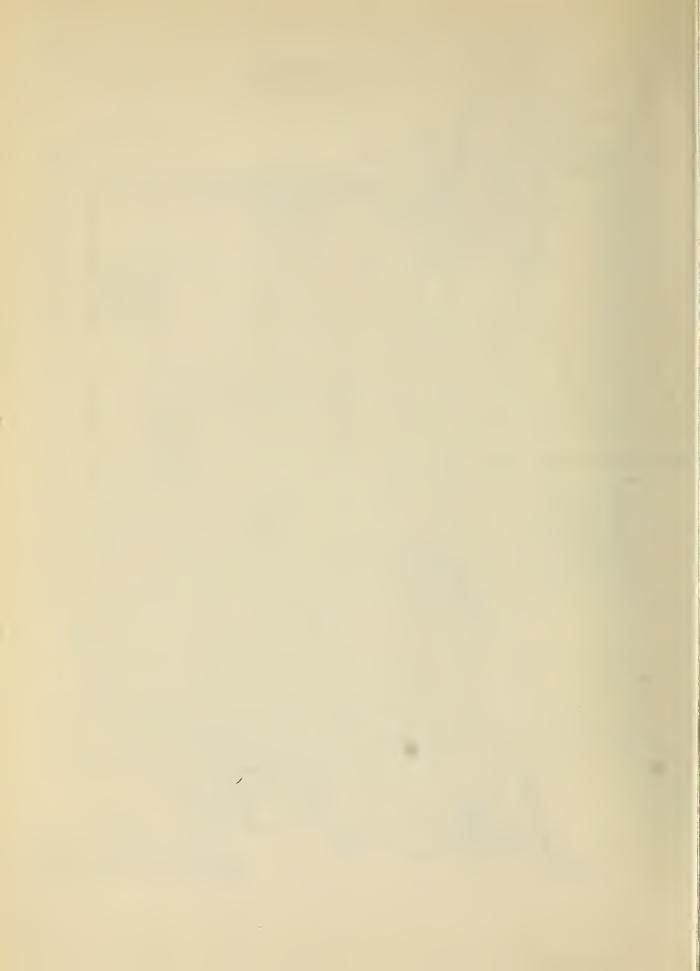
For definitions of standard metropolitan areas, and the central administrative office and auxiliary unit employment and payroll for these areas, are Table 3 footnotes.

For definitions of standard metropolitan areas, and the Centual Administration of Standard Metropolitan areas, and the Centual Administration of Standard Metropolitan Area consists of Clark and Floyd Counties, Indiana; Jefferson County, Kentucky. The figures have been revised subsequent to the release of data for this area in the State of Kentucky publication.

The Muncie Standard Metropolitan Area consists of Delaware County, Indiana.

The Terre Haute Standard Metropolitan Area consists of Vigo County, Indiana.





July 1956

Series:

MC-S14

IOWA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional effecting of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	3,327	2,963	+12
1-19 employees	do	2,450 603 274	2,107 615 241	+16 -2 +14
All employees ¹ Number Payroll	Thousands Million dollars	161.7 641.2	140.4 372.3	+15 +72
Value added by manufacture	do	1,219.1 73.5	671.0 64.7	+82 +14

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 1.2 thousand employees with a payroll of \$5.2 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advances. State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final summary bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

	major industry	1954									1947	
Ind. group code		Number of establishmer With-		ishments	All employees		Value	Capital	All	Value		
		number of estab- liahmenta	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- turea, new (\$1,000)	employees, number	added by manu- facture (\$1,000)	
	All industries, total*	3,327	2,450	603	274	161,707	641,184	1,219,144	73,462	140,397	671,008	
20	Food and kindred producta ²	1,086	813	197	76	51,227	202,376	361,297	18,765	46,415	228,661	
23	Apparel and related products	82	41	26	15	3,975	9,449	12,541	255	4,466	12,198	
24	Lumber and wood products ³	198	169	21	8	5,232	17,715	27,791	887	4,700	19,990	
25	Furniture and fixtures	74	55	9	10	2,362	8,564	14,604	423	2,155	9,263	
26		30	8	14	8	2,095	7,984	19,895	1,554	1,265	7,846	
27		633	546	72	15	11,393	44,610	85,735	3,424	9,128	55,342	
28	Chemicals and products	170	121	38	11	6,028	24,928	76,678	6,457	5,227	50,977	
30		14	9	2	3	3,534	14,238	38,305	(*)	2,317	12,976	
31		11	5	2	4	580	1,361	1,893	(*)	835	2,463	
32	Stone, clay, and glass products	182	138	32	12	5,381	20,651	54,229	4,436	4,613	27,083	
33	Primary metal products	65	33	21	11	5,570	23,789	53,272	2,154	3,206	12,939	
34	Fabricated metal products	188	133	38	17	6,258	25,979	49,234	1,999	5,271	27,649	
35	Machinery, except electrical Electrical machinery Transportation equipment	325	198	77	50	32,765	140,509	231,732	21,568	34,594	143,673	
36		38	19	10	9	8,999	31,659	57,294	1,672	5,127	17,795	
37		45	32	7	6	4,623	20,674	29,431	1,769	2,803	9,616	
38	Instruments and related products	15	12	1	2	2,073	8,674	17,016	(*)	860	3,474	
39	Miscellaneous manufactures4	155	109	31	15	8,997	36,150	84,884	1,846	6,536	25,898	

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

*Totals include data for fundative and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Iowa reported 1,249 employees with a total payroll of \$5,167 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2421) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mill

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

	(See text for explanation of column captions) 1954							1947		
Standard maternalitan		Number	Number of establishments with—			All employees		Cspital	422	Vslue
Standard metropolitan area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- fscture (\$1,000)
Iowa, total	3,327	2,450	603	274	161,707	641,184	1,219,144	73,462	140,397	671,008
STANDARD METROPOLITAN AREAS ¹										
Cedar Rapids ²	198	138	34	26	18,373	75,088	150,398	5,980	14,313	81,333
Davenport-Rock Island-Moline ³	367 169 198	230 110 120	73 34 39	64 25 39	35,408 12,530 22,878	154,927 52,356 102,571	283,125 106,352 176,773	19,270 4,944 14,326	37,322 9,272 28,050	171,663 43,148 128,515
Dea Moines ⁴	388 112	260 74	85 23	43 15	22,717 9,813	96,674 40,512	185,750 72,306	14,373 1,578	16,090 9,225	86,907 37,585
Omaha ⁶ . Portion in Nebraska	560 483 77	375 313 62	132 120 12	53 50 3	30,465 28,847 1,618	121,648 116,297 5,351	219,478 210,050 9,428	25,418 24,905 513	27,526 25,955 1,571	167,057 160,239 6,818
Sioux City ⁷	148 146	95 94	37 38	16 14	9,441 16,680	36,796 72,998	47,420 96,900	2,910 8,300	9,889 17,859	44,756 64,547
COUNTIES										<i>'</i>
Adair. Adams Allamakee. Appanoose Audubon.	7 4 23 20 12	7 3 22 14 11	 1 5 1	 1 1	(*) (*) 291 411 122	(*) (*) 781 1,042 365	(*) (*) 1,372 1,821 531	(*) (*) 44 119 (*)	(*) (*) 224 615 102	(*) (*) 802 2,710 350
Benton Black Hawk Boone. Bremer Buchanan	22 146 28 40 18	19 94 23 35 15	3 38 4 4 3	 14 1 1	229 16,680 398 751 254	690 72,998 1,361 2,831 735	1,452 96,900 2,293 6,735 1,075	44 8,300 95 348 (*)	214 17,859 289 584 289	376 64,547 1,069 2,515 745
Buena Vista	34 20 19 21 23	28 20 19 13 19	5 6 3	1 2 1	727 (*) (*) 543 352	2,938 (*) (*) 1,518 1,233	4,899 (*) (*) 2,115 2,165	153 (*) (*) 217 502	436 (*) (*) 436 303	2,027 (*) (*) 1,802 1,338
Cedar. Cerro Gordo. Cherokee Chickaaw Clarke.	18 60 23 21 6	18 32 20 20 5	22 3 1	6	(*) 3,778 272 142 (*)	(*) 14,873 834 340 (*)	(*) 28,586 1,305 620 (*)	(*) 1,707 247 46 (*)	(*) 3,519 172 134 (*)	(*) 18,475 1,503 479 (*)
Clayton. Clayton. Clinton. Crawford. Dallas.	31 48 65 15 27	24 44 43 15 15	5 4 8 ••• 12	2 14 	501 391 5,607 (*) 699	1,549 774 23,048 (*) 2,243	3,057 1,341 60,392 (*) 4,219	104 147 4,595 (*) 495	277 314 4,753 (*) 646	1,285 1,033 31,059 (*) 3,687
Davis. Decatur. Delaware. Des Moines. Dickinson.	6 13 21 74 16	3 11 21 37 14	23 23 2	14	(*) 108 122 6,954 (*)	(*) 242 269 25,689 (*)	(*) 490 551 72,786 (*)	(*) (*) 50 1,541 (*)	(*) 44 138 3,705 (*)	(*) 156 524 19,254 (*)
Dubuque	112 21 39 27 23	74 13 34 21 19	23 6 4 4 4	15 2 1 2	9,813 651 711 (*) 435	40,512 2,290 1,944 (*) 1,211	72,306 6,545 4,324 (*) 2,447	1,578 220 414 (*) 58	9,225 500 425 (*) 266	37,585 3,102 4,254 (*) 945
Fremont. Greene Grundy. Guthrie Hamilton	7 16 17 9 26	6 15 12 9 14	1 5 10	2	(*) 112 228 (*) 864	(*) 265 591 (*) 3,177	(*) 546 1,038 (*) 5,244	(*) (*) (*) (*) 461	(*) 119 126 (*) 629	(*) 450 622 (*) 2,768
Hancock. Hardin Harrison. Henry. Howard.	12 38 13 11 12	12 35 13 7 12	3 	 1	(*) (*) (*) 256 (*)	(*) (*) (*) 830 (*)	(*) (*) (*) 2,198 (*)	(*) (*) (*) (*) (*)	(*) (*) (*) 384 (*)	(*) (*) (*) 2,459 (*)
Humboldt Ida Iova Jackson Jasper	16 12 16 24 34	14 12 14 19 24	2 4 4	 2 1 6	205 (*) (*) 1,079 4,374	579 (*) (*) 4,084 19,291	1,038 (*) (*) 6,475 39,936	(*) (*) (*) 942 5,676	175 (*) (*) 306 4,287	626 (*) (*) 1,049 20,569

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	1954							1947		
			of establishments		All employees		Vslue	Cspitsl	A11	Vslue
Standard metropolitan area and county	Totsl number of estsb- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	sdded by msnu- fscture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- fscture (\$1,000)
COUNTIESContinued										
Jefferson	23 41 24 14 30	12 34 18 13 27	6 5 6 3	5 2 1	1,398 643 351 145 228	4,472 2,641 1,025 491 775	7,855 4,364 1,501 653 1,283	182 195 30 (*) 145	1,311 412 453 165 205	5,943 1,575 1,828 833 939
Lee	63 198 12 12 11	37 38 12 9	14 34 3	12 26 	5,973 18,373 (*) 225 (*)	26,215 75,088 (*) 488 (*)	62,973 150,398 (*) 666 (*)	2,637 5,980 (*) (*) (*)	6,792 14,313 (*) 113 (*)	39,610 81,333 (*) 252 (*)
Madison. Mahaska. Marion. Marshall. Mills.	4 28 21 55 7	4 21 15 34 5	 4 4 13 2	 3 2 8	(*) 773 848 3,402 (*)	(*) 2,082 2,098 14,626 (*)	(*) 3,595 4,435 32,928 (*)	(*) 241 181 2,577 (*)	(*) 755 622 3,175 (*)	(*) 3,513 1,433 16,641 (*)
Mitchell	16 9 13 18 67	15 8 13 14 39	1 1 2 15	 2 13	100 (*) (*) 768 3,586	233 (*) (*) 2,302 11,650	428 (*) (*) (*) 4,413 18,914	(*) (*) (*) (*) (*)	293 (*) (*) 439 3,846	631 (*) (*) 2,902 15,499
O'Brien Osceola Page. Palo Alto Plymouth	23 13 21 15 24	20 11 18 15 22	3 1 3 	1 	180 (*) 277 (*) 184	514 (*) 725 (*) 487	1,037 (*) 1,259 (*) 1,579	244 (*) 64 (*) 125	214 (*) 386 (*) 135	1,065 (*) 1,541 (*) 474
Pocahontas. Polk. Pottavattamie. Poweshick. Ringgold.	13 388 77 23 6	12 260 62 17 6	1 85 12 5	43 3 1	(*) 22,717 1,618 400 (*)	(*) 95,674 5,351 1,025 (*)	(*) 185,750 9,428 1,835 (*)	(*) 14,373 513 60 (*)	(*) 16,090 1,571 321 (*)	(*) 86,907 6,818 1,011 (*)
Sac	28 169 14 32 40	24 110 13 28 28	4 34 1 4 11	25	301 12,530 104 303 649	870 52,356 290 878 1,884	2,005 106,352 622 2,139 3,155	383 4,944 (*) 152 130	165 9,272 44 293 618	1,001 43,148 217 1,535 2,128
Tama. Taylor. Union. Van Buren. Wapello.	13 8 19 13 51	11 7 15 10 32	1 3 3 15	1 1 1 	254 (*) 311 213 (*)	1,092 (*) 753 659 (*)	2,650 (*) 1,109 1,404 (*)	(*) (*) (*) (*) (*)	422 (*) 283 78 (*)	2,572 (*) 889 358 (*)
Warren. Washington. Wayne. Weyner. Winnebago.	7 21 9 59 12	4 14 9 34 9	3 5 15 3	10	(*) 547 (*) 3,908 139	(*) 1,513 (*) 16,063 353	(*) 3,154 (*) 39,637 536	(*) 125 (*) 1,485 (*)	(*) 492 (*) 3,210 163	(*) 2,495 (*) 19,857 455
Winneshiek Woodbury. Worth Wright	22 148 8 19	19 95 8 15	3 37 3	16 	196 9,441 (*) 399	540 36,796 (*) 1,527	950 47,420 (*) 2,773	163 2,910 (*) · (*)	274 9,889 (*) 320	1,206 44,756 (*) 1,222

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for the seven standard metropolitan areas are given in the table below. Comparable figures are not available for

Standard Metropolitan Area	Employees (number)	Payroll (\$1,000)
Cedar Rapids. Davenport-Rock Island-Moline. Des Moines Dubuque	500-1,000 250-500	250-500 5,000-10,000 1,000-2,500 20-50
Omaha	3,047 10 - 20	12,670 50-100 20-50

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

The Cedar Rapids Standard Metropolitan Area consists of Linn County, Iowa.

The Davenport-Rock Island-Moline Standard Metropolitan Areas consists of Scott County, Iowa; Rock Island County, Illinois.

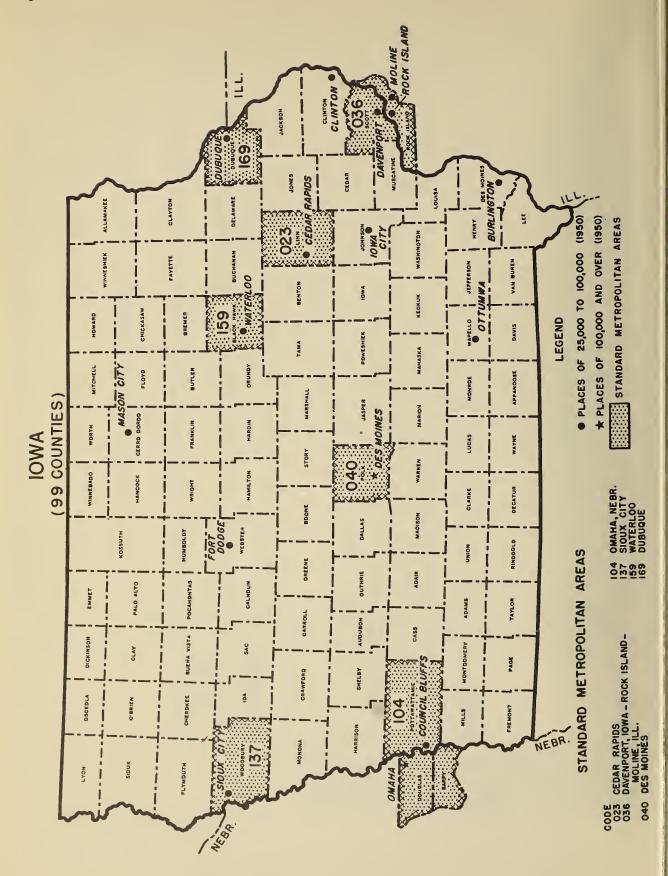
The Das Moines Standard Metropolitan Area consists of Polk County, Iowa.

The Dubuque Standard Metropolitan Area consists of Dubuque County, Iowa.

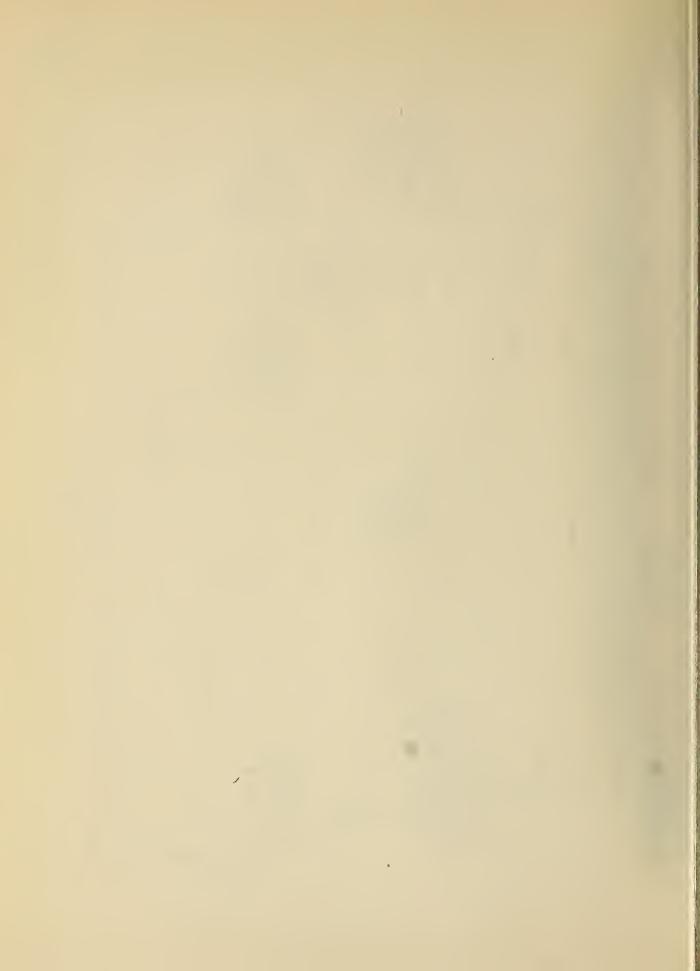
The Omaha Standard Metropolitan Area consists of Pottawattamie County, Iowa; Douglas and Sarpy Counties, Nebraska.

The Sloux City Standard Metropolitan Area consists of Woodbury County, Iowa.

The Waterloo Standard Metropolitan Area consists of Black Hawk County, Iowa.







1954 Census of Manufactures

July 1956 Series: MC-S15

KANSAS

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	2,151	1,946	+11
1-19 employees	do	1,581 408 162	1,407 414 125	+12 -1 +30
Number Payroll	Thousands Million dollars	126.0 530.4	74.6 204.8	+69 +159
Value added by manufacture		1,001.8 52.9	461.1 36.8	+117 +44

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 0.4 thousand employees with a payroll of \$2.0 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments. -- A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

D 1947

		(See	text	for	exp	lsnstio	n o	f colum	n caption	ns)		
Tsble	2.—GENERAL	STATIS	STICS	FOR	THE	STATE,	BY	MAJOR	INDUSTRY	GROUP:	1954	ANI

						1954				1947	
Ind.	Major industry	Total	Number	of establ with—	ishments	All em	ployees 1	Vslue.	Capital	All	Vslue
group	group	number of estab- lishments	1-19	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- fscture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	sdded by manu- fscture (\$1,000)
			-		Fisher		(42,000)	(42,000)	(41,000)		(41,000)
	All industries, total*	2,151	1,581	408	162	125,956	530,417	1,001,818	52,941	75,105	463,433
20 23 24	Food and kindred products ² Apparel and related products Lumber and wood products ³	640 65 101	468 36 81	130 19 18	42 10 2	23,519 2,691 1,209	5,895	174,945 9,551 6,174	10,074 203 134	27,693 2,175 935	152,120 6,818 3,731
	•					_,	.,	-,			-,,
25 26 27	Furniture and fixtures	41 19 472	34 6 408	6 5 47	1 6 17	718 1,860 7,855	2,414 7,942 28,437	5,095 16,605 54,196	119 (*) 2,756	1,357	3,472 12,024 26,201
28 29 31 32	Chemicals and products Petroleum and coal products Leather and leather products Stone, clay, and glass products	84 25 9 100	47 9 8 64	24 4 1 22	13 12 14	9,353 4,311 126 5,299	41,125 21,640 358 20,922	108,799 50,915 504 56,001	17,050 7,128 (*) 4,654	4,549 138	66,841 51,118 466 17,527
34 35 37 39	Fabricated metal products	151 214 73 78	107 154 38 66	37 44 20 11	7 16 15	5,690 8,161 49,465 2,323	24,394 34,833 226,570 9,083	42,492 62,236 365,876 13,193	1,297 3,340 2,357 846	3,977 5,023 9,847 634	22,037 28,024 51,344 2,406

^{*}Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this Ŝtate.

[.]Represents zero.

^{...}Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often re-In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a compary, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1924, such central administrative offices and auxiliary units of manufacturers in the State of Kansas reported 415 employees with a total payroll of \$2,026 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and samilla were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the Importance of these loggers and small mills for

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	47
Ind.	Standard metropolitan area	Total	Number	of establ with—	ishments	All emp	oloyees 1	Value	Capital	All	Value
group		number of estab-	1-19 em-	20-99 em-	100 or more	Number	Payroll	sdded by manu- facture	expendi- tures, new	employees, number	added by manu- fscture
		lishments	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
				ŀ	ANSAS CIT	Y (KANSAS)-K	ANSAS CITY (MISSOURI) AR	EA ²		
	All industries, total*	1,525	967	406	152	113,052	490,416	1,021,546	45,423	78,686	469,807
20 23 24	Food and kindred products ³	142	99 56 30	57 65 12	41 21 2	18,780 8,559 980	78,315 27,240 3,835	153,450 39,401 6,371	8,255 1,522 78	20,930 8,254 1,137	126,242 30,929 5,349
25	Furniture and fixtures	62	44	16	. 2	1,447	5,432	10,625	198	1,296	6,024
26 27 28	Pulp, paper, and products Printing and publishing Chemicals and products	38 272 127	7 215 83	19 46 36	12 11 8	3,484 7,014 9,158	13,920 27,768 40,355	26,036 48,459 99,592	1,251 6,149 3,733	2,676 6,995 4,592	18,567 41,543 61,095
29 31 32 33	Petroleum and coal products Leather and leather products Stome, clay, and glass products Primary metal industries	15 12 58 39	5 7 38 17	5 3 14 15	5 2 6 7	3,048 934 2,951 6,209	15,185 3,052 12,546 28,178	38,163 4,784 30,106 51,272	(*) (*) 3,144 3,151	2,864 792 1,945 5,760	18,682 2,535 7,824 24,961
34 35 36	Fabricated metal products Machinery, except electrical Electrical machinery	137	112 107 31	41 21 12	8 9 6	6,051 5,250 4,623	25,383 22,703 20,082	38,707 41,483 26,395	1,851 1,680 1,268	7,044 3,616 1,031	33,296 22,764 4,551
						WI	CHITA AREA ⁵				
	All industries, total*		319	91	29	47,684	207,477	284,226	5 , 799	17,140	86,487
20 23 24	Food and kindred products ³ Apparel and related products Lumber and wood products ⁴		36 10 19	23 2 2	7 1	3,630 371 162	14,651 940 557	24,081 1,772 943	1,222 (*) 16		
25 27	Furniture and fixturea Printing and publishing	17 66	16 59	1 3		126 1,657	419 7,313	572 11,252	(*) 532		
28	Chemicals and products	17	11	5	ĩ	361	1,505	3,991	(*)	(374.)	(214.)
32 33 34	Stone, clay, and glass products Primary metal industries Fabricated metal products	15	11 8 39	3 7 15	··· ··· 3	200 345 3,120	693 1,231 13,710	1,622 1,785 26,895	(*) (*) 394	(NA)	(NA)
35 37 39	Machinery, except electrical Transportation equipment Miscellaneous manufactures6	72	53 24 19	15 8 5	4 7	3,417 33,655 238	14,649 149,120 849	26,697 26,607 179,992 1,380	1,066 999 41		

"Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual com panies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

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NA Not available.

1 In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often re-In addition to the employment and payroil totals shown in the table for operating manufacturing establishments, manufacturing concerns of the reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishments erved or if they service more than one manufacturing establishment. In 1954, the employment and payroil figures for such central administrative offices and auxiliary units of manufacturers in each atandard metropolitan area are shown in the table below. Comparable data for 1947 are not available.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Kansaa City (Kansas)-Kansas City (Missouri)	2,921 50-100	18,027 500-1,000

²The Kansas City (Kansas)-Kansaa City (Miaaouri) Standard Metropolitan Area consists of Johnson and Wyandotte Counties, Kansas; Clay and Jackson

Counties, Missouri.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishments.

The 1954 figurea include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual atandard metropolitan areas.

'1954 Censua totals for Major Industry Group 24, "Lumber and Wood Producta," are not strictly comparable with 1947 data. In 1947, Logging Campe and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual standard metropolitan areas. In 1947, Logging Campa estimated that, for the Unived States as a whole, all loggers plus those mills producing less than 200,000 board lest account for approximately IS percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual standard metropolitan areas.

The Wichita Standard Metropolitan Area constats of Sedgwick County, Kanaas.

Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.

KANSAS

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 (See text for explanation of column captions)

	<u> </u>	(Dec tex	o for exp.	tana cron	1954) (TORE)			19	47
		Number	of establ	ishmenta	All em	ployees	1/-7	041-3		
Standard metropolitan area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)
Kensas, totel	2,151	1,581	408	proyees	125,956	530,417	1,001,818	52,941	75,105	463,433
STANDARD METROPOLITAN AREAS¹	2,101	1,501	400	102	22,950	220,417	1,001,010	J& , 544 L	7,100	درب,ده
Kansas City (Missouri)-Kansas City (Kansas) ² . Portion in Kansas. Portion in Missouri.	1,525 273 1,252	967 173 794	406 61 345	1 <i>5</i> 2 39 113	113,052 36,736 76,316	490,416 167,522 322,894	1,021,546 382,011 639,535	45,423 10,749 34,674	78,686 21,500 57,186	469,807 137,757 332,050
Topeka ³	136 439	92 319	33 91	11 29	6,230 4 7,684	24,753 207,477	57,791 284, 2 26	3,132 5,799	5,974 17,140	29,317 86,487
COUNTIES	:									
Allen	24 10 28 3 28	14 8 16 2 22	8 2 7	2 5 1	878 100 1,611 (*)	3,116 236 5,699 (*) 1,713	8,899 333 12,366 (*) 5,686	(*) (*) 575 (*) 220	836 77 1,640 (*) 564	5,294 182 10,419 (*) 4,534
Bourbon Brown Butler Chase	35 9 26 3	28 7 19 3	5 2 3	4	650 115 1,605 (*)	1,816 315 7,827 (*)	3,363 852 17,604 (*)	193 (*) (*) (*)	802 114 1,399 (*)	3,516 481 19,503 (*)
Chautauqua	9	9	•••	•••	(*)	(*)	(*)	(*)	(*)	(*)
Cherokee. Cheyenne. Clark. Clay	17 4 1 13	10 4 1 12	3 1	4	1,596 (*) (*) (*)	6,503 (*) (*) (*)	21,309 (*) (*) (*)	(*) (*) (*) (*)	1,378 (*) (*) (*)	12,394 (*) (*) (*)
Cloud	17	14	2	1	327	1,069	1,795 (*)	(*)	163	1,017
Coffey. Comanche. Cowley. Creaford. Death.	6 4 42 47 4	6 4 26 35 4	9 10	 7 2	(*) (*) 2,002 1,147 (*)	(*) (*) 7,378 4,140 (*)	(*) (*) 15,246 8,267 (*)	(*) (*) 1,543 997 (*)	(*) (*) 1,670 1,363 (*)	(*) 10,150 6,774 (*)
Dickinson	21	16	4	1	561	2,201	3,954	121	488	4,705
Doniphan Douglas Edwards Elk	7 33 6 7	7 24 5 7	 4 1	5	(*) 1,172 (*) (*)	(*) 4,761 (*) (*)	(*) 10,556 (*) (*)	(*) (*) (*) (*)	(*) 835 (*) (*)	(*) 4,804 (*) (*)
Ellis Ellsworth Finney Ford	17 6 16 31 27	15 6 13 26 19	2 3 5	1 2 3	(*) (*) 268 539 673	(*) (*) 906 1,790 2,033	(*) (*) 974 3,508 3,981	(*) (*) (*) 245 170	(*) (*) 292 264 721	(*) (*) 1,197 2,109 4,085
Geary	17 1 1 5	14 1 1 3 1	3 1	1	182 (*) (*) (*) (*)	620 (*) (*) (*) (*)	1,191 (*) (*) (*) (*) (*)	(*) (*) (*) (*)	165 (*) (*) (*) (*) (*)	821 (*) (*) (*) (*)
Greeley	1 12 1 11 29	1 11 1 11 20	1 	•••	(*) (*) (*) (*) 479	(*) (*) (*) (*) 1,626	(*) (*) (*) (*) 3,336	(*) (*) (*) (*) 320	(*) (*) (*) (*) 338	(*) (*) (*) (*) 4,195
Haakell	1 2 9 6	1 2 7 4 4	1 2	i 	(*) (*) 266 (*) (*)	(*) (*) 537 (*) (*)	(*) (*) 1,087 (*) (*)	(*) (*) (*) (*)	(*) (*) 46 (*) (*)	(*) (*) 265 (*) (*)
Johnson Kearney Kingman Kiowa Labette	49 3 7 1 34	38 3 7 1 24	8	3 2	(*) (*) (*) (*) 2,161	(*) (*) (*) (*) 8,148	(*) (*) (*) (*) 11,810	(*) (*) (*) (*) 816	(*) (*) (*) (*) (*)	(*) (*) (*) (*) 1,557
Lane Leavenworth. Lincoln. Linn. Logan.	1 27 4 5	1 13 3 5 6	9	5	(*) 1,226 (*) (*) (*)	(*); 4,378 (*) (*)	(*) 8,378 (*) (*) (*)	(*) 313 (*) (*) (*)	(*) 1,258 (*) (*) (*)	(*) 6,328 (*) (*) (*)
Lyon. McPherson. Marion. Marshall. Meade.	26 21 10 15	19 15 8 11 5	6 5 1 4	1 1 	(*) 576 247 267 (*)	(*) 2,435 894 857 (*)	(*) 11,059 1,781 1,778 (*)	(*) 436 (*) (*) (*)	(*) 648 231 363 (*)	(*) 12,198 878 1,585 (*)

For footnotes, see end of table.

KANSAS

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued (See text for explanation of column captions)

					1954				19	47
Standard metropolitan		Number	of establ with-	ishments	All emp	ployees	Value	Capital	A11	Value
area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by menu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
COUNTIESContinued										
Miami. Mitchell. Montgomery. Morris. Morrton.	18 11 77 5 4	13 11 49 4 4	18 1 1	10	420 (*) 5,264 (*) (*)	1,269 (*) 20,855 (*) (*)	2,333 (*) 37,203 (*) (*)	(*) (*) 785 (*) (*)	267 (*) 3,899 (*) (*)	923 (*) 23,460 (*) (*)
Nemaha Noesho. Ness Norton. Oaage	12 25 2 7 10	11 16 2 7 9	6	1 3 	175 791 (*) (*) (*)	574 2,836 (*) (*) (*)	835 7,502 (*) (*) (*)	(*) 275 (*) (*) (*)	167 697 (*) (*) (*)	935 4,399 (*) (*) (*)
OsborneOttawaPavneePhillipsPottawstomie	7 6 11 5 9	6 6 10 4 7	1 1 	 1	(*) (*) 105 (*) (*)	(*) (*) 368 (*) (*)	(*) (*) 603 (*) (*)	(*) (*) (*) (*)	(*) (*) 151 (*) (*)	(*) (*) 763 (*) (*)
Pratt. Rawlins. Reno. Republic. Rice.	15 1 90 10	8 1 62 9 5	7 19 1 2	9	327 (*) 2,722 (*) (*)	1,111 (*) 10,552 (*) (*)	1,776 (*) 22,674 (*) (*)	(*) (*) 1,476 (*) (*)	87 (*) 2,585 (*) (*)	301 (*) 17,890 (*) (*)
Riley. Rooks Rush Rush Saline	23 3 2 9 54	19 3 2 9 37	 13	4	280 (*) (*) (*) (*) 1,497	800 (*) (*) (*) 5,717	1,301 (*) (*) (*) 12,038	77 (*) (*) (*) 515	251 (*) (*) (*) (*) 1,213	1,077 (*) (*) (*) 8,593
Scott. Sedgwick. Seward Shawnee Sheridan.	3 439 10 136 1	2 319 7 92 1	1 91 3 33	29 11	(*) 47,684 141 6,230 (*)	(*) 207,477 494 24,753 (*)	(*) 284,226 761 57,791 (*)	(*) 5,799 (*) 3,132 (*)	(*) 17,140 145 5,974 (*)	(*) 86,487 822 29,317 (*)
Sherman Smith Stafford Stanton Stevens	5 6 5 1 2	5 6 5 1 2			(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*)
Summer. Thomas. Trego. Wabaunsee. Wallace.	27 7 3 3	22 7 3 3 1	5		390 (*) (*) (*) (*)	1,358 (*) (*) (*) (*)	2,704 (*) (*) (*) (*)	312 (*) (*) (*)	376 (*) (*) (*) (*)	2,225 (*) (*) (*) (*)
Washington Wichita Wilson Woodson Wyandotte	7 1 26 5 224	7 1 20 5 135	 4 53	2	(*) (*) 869 (*) 31,585	(*) (*) 3,493 (*) 145,539	(*) (*) 5,906 (*) 355,889	(*) (*) 358 (*) 8,453	(*) (*) 958 (*) 21,176	(*) (*) 6,807 (*) 136,532

see Table 3 footnotes.

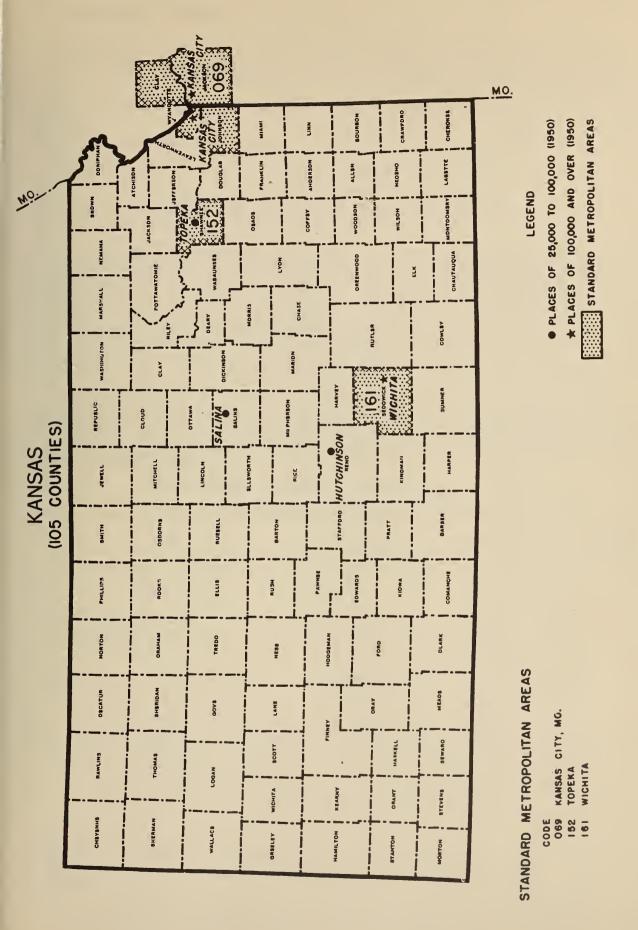
The Topeka Standard Metropolitan Area consists of Shawnee County, Kansss.

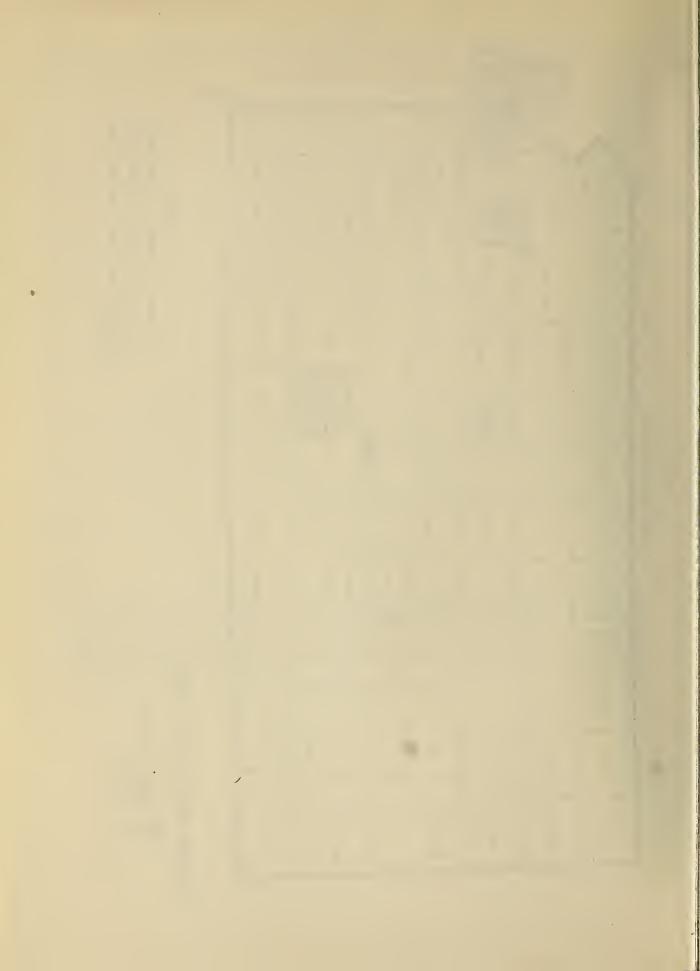
^{*}Detsil figures have been withheld from publication in order to (s) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detsil will appear in the final bulletin for this State.

...Represents zero.

In addition to the figures for operating manufacturing establishments shown in the table, central administrative offices and auxiliary units in the Topeka Standard Metropolitan Area (not shown in Table 3) reported 100-250 employees with s payroll of \$250-500 thousand. (For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

For definitions of standard metropolitan areas, and the central administrative office and suxiliary unit employment and payroll for these areas, see Table 3 footnotes.





1954 Census of Manufactures

July 1956

Series:

MC-Sle

KENTUCKY

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

(Dee text for explanation of feems)												
Item	Unit of measure	1954	1947	Percent change 1947-1954								
Number of establishments, total	Number	2,668	2,245	+19								
1-19 employees	do	1,810 553 305	1,453 509 283	(¹) +9 +8								
All employees ² Number Payroll	Thousands Million dollars	146.8 531.3	129.6 304.8	+13 +74								
Value added by manufacture		1,231.4 125.4	743.3 77.1	+66 +63								

¹See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 4.7 thousand employees with a payroll of \$24.0 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. -- GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

						1954				19	47		
Ind.	Major industry	Total.	Number (of establ: with—	iahmenta	All em	ployeesl	Value	Capital	A11	Value		
group	group	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployeea	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- turea, new (\$1,000)	employeea, number	added by manu- facture (\$1,000)		
	All industries, total*	2,668	1,810	553	305	146,824	531,301	1,231,448	125,433	129,553	743,322		
20	Food and kindred products2	·603	358	182	63	26,884	101,488	299,735	11,092	24,635	288,814		
21	Tobacco manufactures	44	7	18	19	10,409	33,236	164,224	7,044	9,152	41,784		
22	Textile mill products	20	5	6	9	2,773	7,268	11,080	774	3,586	12,744		
23	Apparel and related products	105	30	29	46	17,128	37,104	56,653	900	12,548	41,025		
24	Lumber and wood producta3	726	637	74	15	٩,581	20,378	31,115	1,336	11,765	37,2 9		
25	Furniture and fixtures	110	61	34	15	5,359	17,688	25,257	1,062	7,158	25,292		
26	Pulp, paper, and products	23	13	6	4	1,134	4,200	7,143	1,326	743	4,695		
27	Printing and publishing	317	263	46	8	7,100	30,028	46,611	2,001	6,194	28,745		
28	Chemicals and products	102	54	31	17	9,798	46,242	148,659	12,699	4,785	47,953		
29	Petroleum and coal products	12	6	1	5	1,505	7,488	18,716	(*)	1,280	20,215		
32	Stone, clay, and glass products	144	101	29	14	4,589	15,419	31,237	2,417	4,203	1,891		
33	Primary metal products	25	8	11	6	6,293	29,732	59,752	16,811	7,749	2,798		
34	Fabricated metal products	129	73	33	23	12,621	52,482	92,750	4,670	11,319	2,682		
35	Machinery, except electrical	127	. 81	26	20	13,213	59,825	112,768	54,296	10,175	40,461		
36	Electrical machinery	38	16	9	13	9,703	33,420	61,008	4,020	4,589	16,010		
39	Miscellaneous manufactures4	85	66	10	9	2,759	9,676	15,832	1,727	1,720	5,853		

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and auxiliaries were obtained if at a different general location from the establishment served or if they aervice more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Kentucky reported 4,679 employees with a

ment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Kentucky reported 4,679 employees with a total payroll of \$22,997 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Product," in 1954. No estimate has been made of the importance of these loggers and small is for individual States.

small milis for individual States.

Ancludes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Acceasories." (Establishments are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	47
Ind.	Standard metropolitan area		Number	of establ	ishments	All em	ployees	Value	Capital	All	Value
group		Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
		-			F103	CT	NCINNATI ARE		(1-)/		(1-)
		- Ken	ton Counti	es in Ker	ntucky) a	he Cincinnat	i Standard Mole 4. Indu	letropolitan stry group s	tatistics fo		
	All industries, total*	822	437	229	156	82,425	343,296	830,107	91,073	73,853	489,435
20 21 22 23 24	Food and kindred products ³ Tobacco manufactures Textile mill products Apparel and related products Lumber and wood products ⁴	13 8 22	72 1 3 10 32	48 4 2 6 24	43 8 3 6 14	14,437 7,893 716 2,341 4,931	57,976 27,620 2,135 6,290 17,554	154,289 154,725 3,660 8,036 24,829	5,105 (*) (*) 103 439	12,907 5,935 1,324 2,904 6,233	150,638 33,465 5,168 8,758 28,162
25 26 27 28 32	Furniture and fixtures	16 121 70	32 10 90 33 23	20 3 24 23 13	9 3 7 14 4	3,661 647 5,007 11,743 2,085	12,953 2,684 23,505 56,431 8,044	18,612 4,149 34,478 169,011 20,483	468 (*) 1,411 14,446 2,025	4,936 357 4,505 6,897 1,907	16,968 2,380 21,004 92,819 9,556
34 35 36 39	Fabricated metal products Machinery, except electrical Electrical machinery Miscellaneous manufactures ⁵	76 16	34 45 10 20	27 15 4 5	15 16 2 4	10,388 11,725 1,695 1,605	44,446 53,164 7,220 6,679	77,262 101,460 14,531 10,148	3,669 53,639 (*) 1,542	9,604 9,007 232 932	42,206 34,825 962 3,840

^{*}Totals include data for industry group which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail appear in the final bulletin for this State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the Louisville Standard Metropolitan Area consists of Jefferson Countx (Entwicky: Clark and Floyd Counties. Indiana.

employees with a total payroll of \$21,318 thousand. Comparable data for 1947 are not available.

The Louisville Standard Metropolitan Area consists of Jefferson County Kentucky; Clark and Floyd Counties, Indiana.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for standard metropolitan areas.

41954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for standard metropolitan areas.

5 Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)													
					1954				1947				
Standard metropolitan		Number	of estable with—	ishments	All emp	ployees	Value	Capital	All	Value			
area and county	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture			
		project	projects	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)			
Kentucky, total	2,668	1,810	553	305	146,824	531,301	1,231,448	125,433	129,553	743,322			
STANDARD METROPOLITAN AREAS¹													
Cincinnati ² Portion in Kentucky Portion in Ohio	156	1,031 101 930	504 37 467	285 18 267	2,232 9,386 142,846	676,186 39,100 637,086	1,314,305 78,164 1,236,141	73,481 6,488 66,993	134,549 9,220 125,329	47,593			
Huntington-Ashland ³ . Portion in Kentucky. Portion in Ohio Portion in West Virginia.	51 45	180 36 24 120	59 8 10 41	45 7 11 27	24,642 4,976 4,750 14,916	98,650 23,479 19,255 55,916	205,673 49,462 53,307 102,904	29,969 13,271 11,048 5,650	5,021 4,180	30,046			
Lexington4	104	58	33	13	4,317	13,156	26,472	2,151	3,568	12,855			
Louisville ⁵ Portion in Kentucky Portion in In diana	707	437 368 69	229 198 31	156 141 15	82,425 71,078 11,347	343,296 297,279 46,017	830,107 732,939 97,168	91,073 84,760 6,313	73,853 65,968 7,885	420,334			

For footnotes, see end of table.

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Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued

(See text for explanation of column captions)												
					1954				19	47		
Standard metropolitan area and county	Total number of estab- lishments		of eatabl with— 20-99 em- ployees	100 or more em- ployees	All em	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- turea, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)		
COUNTIES				-						-		
Adair	18 15 12 7 25	18 13 6 6 18	 1 6 1 4	1 3	113 418 276 112 1,136	180 754 856 261 2,370	344 1,116 2,601 356 4,097	(*) (*) (*) (*)	283 469 430 44 678	365 952 2,280 94 1,878		
Beth. Bell. Boone. Bourbon. Boyd.	6 43 5 14 51	4 32 5 7 36	2 10 4 8	1 3 7	(*) 744 (*) 881 4,976	(*) 2,036 (*) 2,155 23,479	(*) 4,270 (*) 3,425 49,462	(*) 387 (*) (*) 13,271	(*) 1,115 (*) 565 5,021	(*) 2,759 (*) (*) 31,329		
Boyle. Bracken Brethitt Breckenridge. Bullitt.	18 9 10 13 5	7 7 9 8 3	6 1 1 4	5 1 1	1,667 239 (*) 318 (*)	4,167 470 (*) 770 (*)	7,815 721 (*) 1,199 (*)	(*) (*) (*) (*)	823 363 (*) 237 (*)	1,877 1,025 (*) 742 (*)		
Butler. Caldwell. Calloway. Campbell. Carlisle.	12 13 21 55 4	11 11 16 37 3	1 2 13	1 1 3 5 1	192 542 914 4,791 (*)	314 1,112 2,296 19,126 (*)	446 1,945 4,169 38,450 (*)	(*) (*) 88 4,567 (*)	34 511 440 5,551 (*)	45 903 983 23,345 (*)		
Carroll. Canter Casey. Christian. Clark.	8 14 17 42 18	6 7 17 25 10	1 4 13 6	1 3 4 2	500 1,011 (*) 1,591 669	1,302 2,533 (*) 3,807 1,594	1,816 4,971 (*) 6,958 4,072	(*) (*) (*) 161 (*)	374 1,011 (*) 1,555 284	1,126 3,617 (*) 5,602 767		
Clay. Clinton. Crittenden. Cumberland. Daviesa.	13 7 16 11 74	8 7 15 11 44	5 1 18	12	171 (*) 162 (*) 7,812	303 (*) 368 (*) 26,149	414 (*) 981 (*) 45,817	(*) (*) (*) (*) 3,122	87 (*) 25 (*) 5,821	191 (*) 130 (*) 42,092		
Edmonson. Elliott. Estill. Fayette. Fleming.	1 18 104 8	1 16 58 7	1 33 1	1 13	(*) (*) 290 4,317 (*)	(*) (*) 519 13,156 (*)	(*) (*) 984 26,472 (*)	(*) (*) (*) 2,151 (*)	(*) (*) 85 3,568 (*)	(*) (*) 140 12,855 (*)		
Floyd. Franklin. Fulton. Gallatin. Garrard.	16 25 16 3 4	16 15 14 2 3	6 1	 4 1 	(*) 2,197 492 (*) (*)	(*) 7,039 1,028 (*) (*)	(*) 39,398 1,504 (*) (*)	(*) 793 (*) (*) (*)	(*) 3,169 513 (*) (*)	(*) 39,036 1,244 (*) (*)		
Grant Grayes Grayson Green Greenup	3 32 11 9 12	2 22 9 7 9	7 1 2	1 3 1 	(*) 2,756 241 108 317	(*) 8,144 395 193 1,153	(*) 13,733 874 495 2,528	(*) 404 (*) (*) (*)	(*) 2,891 253 133 326	(*) 11,107 439 492 1,630		
Hancock. Hardin. Harlan. Harrison. Hart.	8 13 30 8 13	8 7 26 5 11	5 3 1 2	1 1 2	(*) 347 410 471 133	(*) 855 1,153 1,422 318	(*) 1,379 2,087 2,261 468	(*) (*) 78 (*) (*)	(*) 352 555 155 46	(*) 1,670 1,701 437 105		
Henderson. Henry. Hickman. Hopkins. Jackson.	44 4 7 29 9	20 4 6 23 8	18 1 5	6 1	2,061 (*) (*) 583 (*)	5,870 (*) (*) 1,286 (*)	11,969 (*) (*) 2,016 (*)	856 (*) (*) 88 (*)	1,628 (*) (*) 357 (*)	5,259 (*) (*) 952 (*)		
Jefferson. Jessamine Johsson. Kenton. Knott.	707 7 9 101 9	368 5 8 64 9	198 2 1 24	141 13	71,078 (*) (*) 4,595 (*)	297,279 (*) (*) 19,974 (*)	732,939 (*) (*) 39,714 (*)	84,760 (*) (*) 1,921 (*)	65,968 (*) (*) 3,669 (*)	420,334 (*) (*) 24,248 (*)		
Knox. Larue. Laurel. Lawrence. Lee.	12 9 27 10 9	9 9 21 10 9	3 5	1	176 (*) 370 (*) (*)	345 (*) 927 (*) (*)	801 (*) 1,557 (*) (*)	(*) (*) 54 (*) (*)	357 (*) 112 (*) (*)	767 (*) 402 (*)		

For footnotes, see end of table.

Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued (See text for explanation of column captions)

					1954				19	47
Standard metropolitan area and county	Total number of estab- lishments	1-19 em-	of establ with— 20-99 em- ployees	100 or more em- ployees	All emp	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)
COUNTIESContinued										
Leslie. Letcher Levis. Lincoln Livingston.	14 12 8 16 4	11 9 7 14 4	3 2 1 1	1 1	248 243 (*) 237 (*)	468 715 (*) 534 (*)	534 1,284 (*) 1,090 (*)	(*) (*) (*) (*)	349 257 (*) 86 (*)	616 1,086 (*) 250 (*)
Logan Lyon. McCracken McCreary McLean.	23 6 60 13 10	15 6 40 12 8	7 12 1	8 1	661 (*) 4,938 159 242	1,359 (*) 18,036 395 546	2,212 (*) 34,372 770 765	205 (*) 761 (*) (*)	450 (*) 3,455 375 210	1,468 (*) 11,736 657 396
Madison. Magoffin. Marfon Marshall. Martin.	15 5 10 11 2	12 5 7 5 2	1 1 3	2 2 3	758 (*) 860 (*) (*)	2,009 (*) 1,569 (*) (*)	3,868 (*) 2,766 (*) (*)	(*) (*) (*) (*)	325 (*) 659 (*) (*)	663 (*) 2,320 (*) (*)
Mason. Meade. Menffee Meroer Meroer	20 9 6 11 7	9 8 6 8 6	5 1 1	6 1 2	1,737 (*) (*) 767 (*)	5,770 (*) (*) 2,131 (*)	14,809 (*) (*) 4,750 (*)	571 (*) (*) (*) (*)	1,864 (*) (*) 445 (*)	10,543 (*) (*) 3,617 (*)
Monroe. Montgomery Morgam Muhlemberg Nelson.	17 10 5 28 27	13 6 4 25 16	4 3 1 3 5	1	224 504 (*) 216 1,284	361 984 (*) 462 4,396	593 1,768 (*) 1,190 9,330	(*) (*) (*) 34 460	122 507 (*) 275 918	190 1,373 (*) 913 9,407
Nicholas Ohio. Oldham Owen	2 25 3 4	1 24 3 3	1 	1 	(*) 144 (*) (*) (*)	(*) 259 (*) (*) (*)	(*) 504 (*) (*)	(*) 127 (*) (*) (*)	(*) 78 (*) (*) (*)	(*) 160 (*) (*) (*)
Pendleton. Perry. Pike. Powell. Pulaski.	6 15 29 9 48	5 11 23 8 42	3 6 1 5	1 1 	(*) 287 331 (*) 813	(*) 661 764 (*) 1,683	(*) 859 1,484 (*) 3,636	(*) (*) 75 (*) 261	(*) 329 325 (*) 710	(*) 1,067 1,378 (*) 1,970
Robertson. Rockcastle Rowan Russell Scott	1 5 23 20 12	1 5 19 20 9	2	2	(*) (*) 523 109 315	(*) (*) 1,188 133 711	(*) (*) 1,845 252 1,366	(*) (*) 80 5 (*)	(*) (*) 375 32 324	(*) (*) 1,515 76 732
Shelby. Simpson. Spencer. Taylor. Todd.	16 12 4 17	9 11 4 14 7	7 3 2	i ::: 1	412 205 (*) 216 (*)	1,157 312 (*) 505 (*)	1,830 482 (*) 682 (*)	(*) (*) (*) (*)	223 283 (*) 165 (*)	740 576 (*) 729 (*)
Trigg. Trimble. Union. Warren. Washington.	15 • 13 42 6	12 9 27 3	3 4 10 1	5 2	(*) (*) 316 2,656 (*)	(*) (*) 637 7,037 (*)	(*) (*) 1,028 17,294	(*) (*) (*) 1,689 (*)	(*) (*) 97 2,140 (*)	(*) (*) 237 7,822 (*)
Wayne Webater Whitley Wolfe Woodford	25 10 30 3 10	21 7 26 3 6	4 2 3 2	1 1 	301 356 500 (*) (*)	562 681 921 (*) (*)	899 980 1,385 (*) (*)	73 (*) 42 (*) (*)	333 80 202 (*) (*)	761 217 700 (*) (*)

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

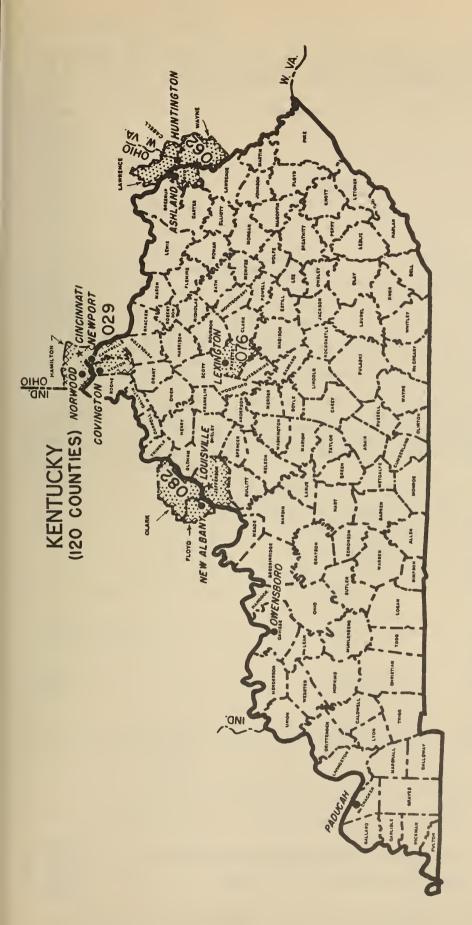
1 In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Employees (number)	Payroll (\$1,000)
3,202 250-500	18,355 2,500-5,000 250-500
	(number)

The Cincinnati Standard Metropolitsn Area consists of Campbell and Kenton Counties, Kentucky; Hamilton County, Ohio.

The Huntington-Ashland Standard Metropolitan Area consists of Boyd County, Kentucky; Lawrence County, Ohio; Cabell and Wayne Counties,

^{**}Research of the following the first of the following the fo



STANDARD METROPOLITAN AREAS

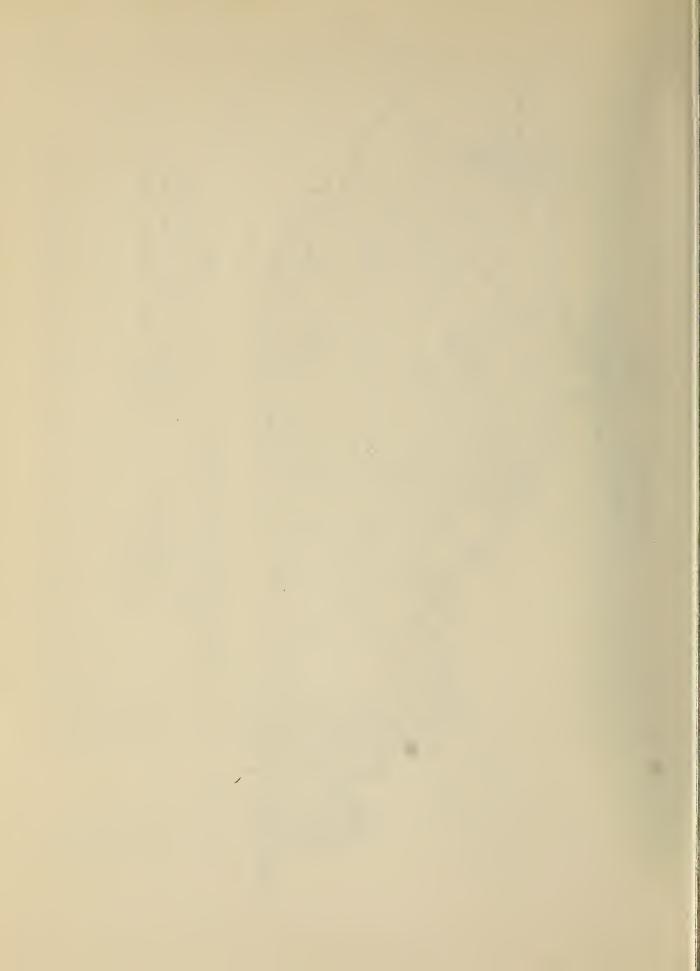
O62 HUNTINGTON, W. VA. - ASHLAND. KY 029 CINCINNATI, OHIO CODE

OB2 LOUISVILLE

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LEGEND

PLACES OF 100,000 AND OVER (1950) STANDARD METROPOLITAN AREAS • PLACES OF 25,000 TO 100,000 (1950)



1954 Census of Manufactures

July 1956 Series: MC-S17

LOUISIANA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND PARISHES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

(200 00.0 201	CAPICITATION OF TO			
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	3 ,0 45	2,388	+28
1-19 employees	do	2,143 616	1,439 676	(¹)
100 or more employees		286	273	+5
All employees ²		- 1 -		
Number	Thousands	146.5	132.5	+11
Payroll	Million dollars	537.9	309.9	+74
Value added by manufacture	do	1,182.5	694.1	+70
Capital expenditures, new		1 96.1	97.2	+102

¹See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 1.0 thousand employees with a payroll of 4.4 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

Payroll. -- This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture.—This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

	(See text for expranation of column captions)											
						1954				1947		
Ind.	Major industry	Total	Number	of eatabl with—	ishmenta	All employees ¹		Value	Capital	All	Value	
group	group	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- turea, new (\$1,000)	employeea, number	added by manu- facture (\$1,000)	
	All industries, total*	3,045	2,143	616	286	146,460	537,902	1,182,485	196,081	132,463	694,062	
20 22 23 24	Food and kindred products ² Textile mill products Apparel and related products Lumber and wood products ³	768 17 76 934	475 9 36 741	217 3 22 147	76 5 18 46	31,210 2,389 6,179 19,500	94,377 6,444 13,463 43,425	211,453 12,350 20,568 68,307	14,229 (*) 1,190 4,028	28,754 2,347 6,188 29,100	139,137 7,838 18,986 84,172	
25 26 27 28	Furniture and fixtures Pulp, paper, and products Printing and publishing Chemicals and products	87 51 304 183	65 7 269 98	19 11 30 55	3 33 5 30	1,501 17,099 4,737 17,535	4,008 70,213 18,827 83,893	6,677 163,346 34,444 251,351	22,659 11,334 1,395 66,262	1,344 14,156 3,973 12,852	4,613 99,217 23,005 113,482	
29 31 32 33	Petroleum and coal products Leather and leather products Stone, clay, and glass products Primary metal products	33 116 18	8 84 10	9 21 4	16 11 4	14,044 4,828 3,677	76,838 18,133 16,895	187,498 40,873 45,240	58,444 3,292 (*)	12,657 43 3,392 805	121,998 216 16,589 2,458	
34 35 37 38 39	Fabricated metal products	150 110 105 8 73	112 82 72 6 60	27 22 20 2 6	11 6 13 	4,998 2,743 9,338 161 5,535	20,228 10,837 38,975 461 18,896	35,819 15,754 50,864 733 33,165	2,463 533 1,954 (*) 5,464	3,749 1,845 9,358 102 919	15,985 6,521 34,162 248 3,313	

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual con panies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

State.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garagea, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Louisiana reported 950 employees with a total payroll of \$4,393 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

Just of the United States as a whole, all loggers plus those mills products, are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual States.

(Establi

small mills for individual States.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				194	1 7		
Ind.			Number	of establi	ishments	All employees1		Value	Capital	All	Value		
group	Major industry group	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payrol1 (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)		
			L							L			
			NEW ORLEANS ²										
	All industries, total*	870	560	191	119	53,862	195,943	375,519	64,832	45,363	222,995		
20	Food and kindred products3	219	122	59	38	13,604	45,341	106,952	6,241	11,678	64,390		
22	Textile mill products		4	3	5	2,367	6,399	12,260	´(*)	2,259	7,758		
23	Apparel and related products		25	17	15	5,167	11,583	17,925	1,124	5,569	17,464		
24	Lumber and wood products4		45	8	4	1,246	3,632	5,261	291	2,135	8,396		
25	Furniture and fixtures	33	19	12	2	799	2,365	3,539	105	1,119	3,562		
26	Pulp, paper, and products	17	6	4	7	3,664	14,838	34,647	(*)	3,633	24,921		
27	Printing and publishing	136	121	13	2	2,473	10,140	18,742	596	2,255	13,505		
28	Chemicals and products		49	17	6	2,963	12,867	14,567	45,885		19,996		
29	Petroleum and coal products		2	3	6	1,177	5,269	13,848	(*)	1,156	8,463		
32	Stone, clay, and glass products	32	18	6	8	2,821	10,886	24,968	2,007	1,222	6,756		
34	Fabricated metal products		57	18	9	3,374	13,557	24,921	1,156	2,278	11,054		
35	Machinery, except electrical		32	9	. 2	1,178	4,860	6,101	162	157	923		
37	Transportation equipment		22	12	8	7,782	33,493	39,983	1,652	8,380	30,399		
39	Miscellaneous manufactures5	39	29	7	3	1,119	3,818	5,891	218	532	2,028		

*Totals include data for industry group which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, the employment and payroll figures for such central administrative offices and auxiliary units of manufacturers in the New Orleans Standard Metropolitan Area consists of Jefferson, Orleans, and St. Bernard Parishes.

3 The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan area for leading Mills (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for app

⁵Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND PARISHES: 1954 AND 1947

		(See text	t for exp	lanation o	of column cap	otions,				
					1954				19	47
Standard metropolitan		Number	of establ with—	ishments	All employees		Value	Capital	A11	Value
area and parish	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
Louiaiana, total	3,045	2,143	616	286	146,460	537,902	1,182,485	196,081	132,463	694,062
Baton Rouge ² New Orlcans area ³ Shreveport area ⁴ PARISHES	137 870 231	94 560 160	21 191 50	22 119 21	18,749 53,862 9,147	98,061 195,943 32,445	248,223 371,519 69,995	36,852 64,832 3,750	16,818 45,363 7,779	132,820 222,995 36,311
Acadia. Allen Agcension. Agsumption. Avoyellea.	44 21 20 17 23	25 12 13 8 16	19 3 6 8 7	6 1 1	901 1,883 519 838 516	2,578 5,796 956 2,376 1,233	7,950 9,324 1,922 9,818 2,364	742 1,044 156 (*)	984 1,200 632 872 348	7,949 4,091 1,821 5,345 1,996
Beaurcgard. Bienville. Boosier. Caddo. Calcasieu.	27 31 / 41 190 102	22 27 33 127 69	2 1 7 43 21	3 3 1 20 12	905 690 702 8,445 7,518	2,919 1,690 2,075 30,370 36,094	5,524 2,523 5,241 64,754 106,063	372 376 239 3,511 19,119	765 959 1,272 6,507 5,597	3,548 2,646 5,230 31,081 53,195
Caldwell Cameron Catahoula Claiborne Concordia	16 2 9 33 12	14 5 31 10	2 2 4 2 2		132 (*) 172 188 196	243 (*) 353 444 391	375 (*) 540 964 512	(*) (*) (*) 101 (*)	896 (*) 102 527 373	2,843 (*) 245 1,027 823

For footnotea, ace end of table.

		(See tex	t for exp	lanation o	of column cap	tions)					
					1954	1954				1947	
Standard metropolitan	Total	Number	of establ with—	1	All emp	oloyees	Value added by	Capital expendi-	A11	Value added by	
area and parish	number of estab- lishments	em-	20-99 em- ployeea	100 or more em-	Number	Payroll	manu- facture	turea, new	employees, number	manu- facture	
			· ·	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
PARISHES—Continued											
De Soto East Baton Rouge	30 137	22 94	5 21	3 22	1,003 18,749	2,817 98,061	5,391 248,223	160 36,852	1,249 16,818	4,545 132,820	
East Carroll East Feliciana. Evangeline.	7 16 23	5 16 20	1	1 2	(*) 120 282	(*) 212 1,042	(*) 413 2,851	(*) (*) 80	(*) 340 379	(*) 1,569 2,653	
FranklinGrant	8 19	7 15	1 4		124 159	265 257	725 542	(*) (*)	126 456	548 966	
Iberia Iberville Jackson	50 26 53	33 18 48	15 6 1	2 2 4	1,090 631 (*)	2,843 1,462 (*)	7,735 2,181 (*)	917 154 (*)	1,527 938 (*)	7,018 2,626 (*)	
Jefferson. Jefferson Davis Lafayette	124 22 47	71 19 33	27 3 11	26 	12,233 210 1,194	51,132 538 3,316	96,098 1,040 6,496	49,162 101 551	8,186 769 853	50,676 3,260 3,663	
La fourche	51 23	36 18	8	7 2	1,584 775	4,645 1,912	6,800 2,721	926 155	1,644 579	4,727 1,557	
LincolnLivingstonMadison	36 44 16	30 38 11	6 6 4	··· 1	463 470 758	1,082 854 1,678	2,185 1,492 2,617	74 132 (*)	627 589 1,338	1,709 1,417 4,251	
Morehouse Natchitoches	24 44	14 39	4 5	6	(*) 336	(*) 679	(*) 1,360	(*) 91	(*) 764	(*) 2,142	
Orleans Ouachita. Plaquemines	726 131 12	479 96 4	159 23 8	88 12	37,146 5,402 467	125,593 19,951 1,039	223,987 51,699 2,579	11,330 3,738 (*)	35,302 3,720 241	163,585 25,646 324	
Pointe Coupee	14 102	7 68	6 26	1 8	352 3,525	717 9,685	1,467 17,003	(*) 819	412 3,591	1,095 13,643	
Red River Richland. Sabine	8 12 44	8 11 40	 1 1		65 1 01 767	103 238 1,679	233 446 2,520	(*) (*) 157	71 167 1,099	199 515 3,513	
St. Bernard	20	10	5 2	5	4,483 (*)	19,218	55,434 (*)	4,340 (*)	1,875	8,734	
St. Helena	9 7 9	9	2	1	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	
St. John the BaptistSt. LandrySt. Martin	55 18	4 40 13	14 5	1 1 	(*) 1,004 369	(*) 2,435 912	(*) 4,767 1,317	(*) (*) (*)	(*) 1,150 514	(*) 4,411 1,367	
St. Mary	49 43	28 34	15 6	6	1,818 907	5,498 2,527	12,816 3,769	1,034 164	1,944 1,034	6,340 3,685	
Tangipahoa Tensas Terrebonne.	68 8 55	46 5 39	17 3 10	5	2,246 242 1,912	4,504 569 3,960	8,612 849 8,632	421 (*) 453	2,385 218 2,110	6,367 423 5,528	
Union. Vermillion.	41 31	37 20	4 10		330 693	649 1,610	1,126 6,232	70 311	822 552	2,199 2,963	
Vernon. Washington Webster	18 41 51	14 26 34	10 11	5 6	177 (*) (*)	274 (*) (*)	528 (*) (*)	(*) (*) (*)	(*) (*)	940 (*) (*)	
West Baton Rouge	5 10 8	2 10 4	3 •••	 1	(*) (*) 496	(*) (*) 728	(*) (*) 1,006	(*) (*) (*)	(*) (*) (*)	(*) (*) (*)	
Winn	53	48	3	2	759	1,672	3,264	15í	612	2,542	

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

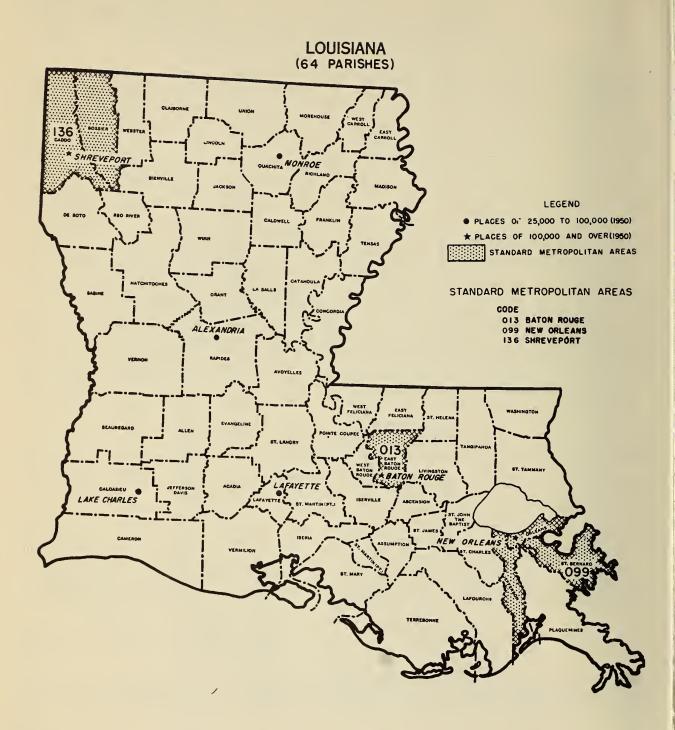
Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Baton Rouge	20 - 50	100-250
Shreveport	100 - 250	500-1,000

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

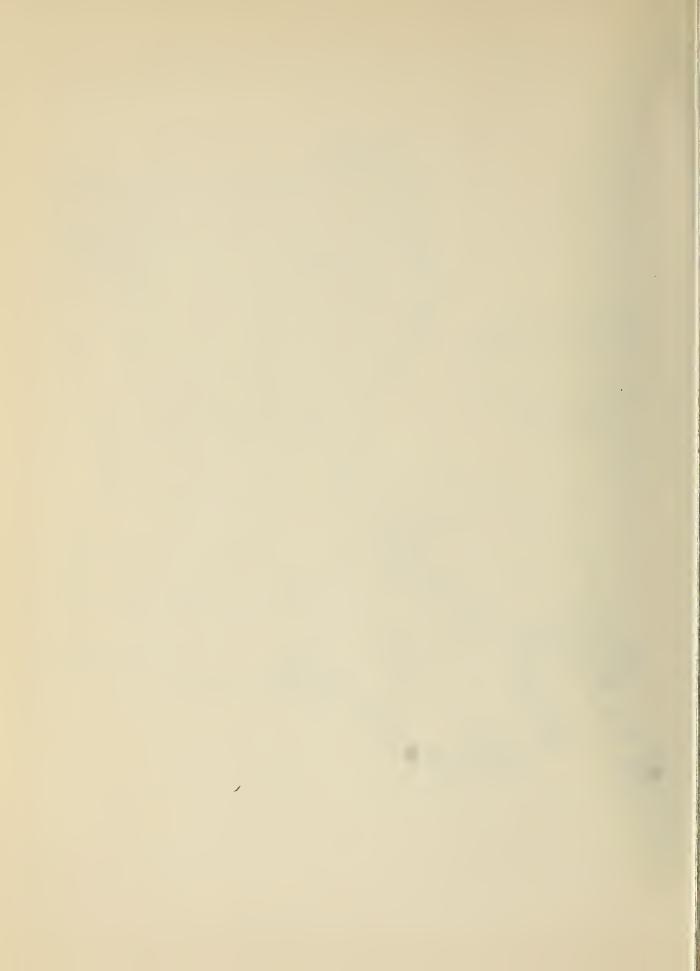
The Baton Rouge Standard Metropolitan Area consists of East Baton Rouge Parish, Louisiana.

For definition of the New Orleans Standard Metropolitan Area, and the central administrative office and auxiliary unit employment and payroll for this area, see Table 3 footnotes.

The Shreveport Standard Metropolitan Area consists of Bossier and Caddo Parishes, Louisiana.



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1954 Census of Manufactures

May 1956 Series: MC-S18

MAINE

SUMMARY STATISTICS FOR THE STATE, ITS METROPOLITAN STATE ECONOMIC AREA, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.—GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

,	1			
Items	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	3,030	1,633	+86
1-19 employees 1	do	2,401 420 209	1,047 384 202	(1) +9 +3
All employees Number Payroll	Thousands Million dollars	103.9 321.7	100.1 233.9	+4 +38
Value added by manufacture	do	562.2 58.9	429.5 35.1	+31 +68

¹See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS.—"Establishments." A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

"All employees, number." This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

"Payroll." Payroll includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

"Value added by manufacture." This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

"Capital expenditures, new." This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS.—"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for Census "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM.—Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Census Bulletins MC-101 through MC-149 Series, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

						1954				19	47
Ind.	Major industry group	Total	Number o	of establi with—	shments	All employees ¹		Value	Capital	All	Value added by
code	India Indiana, Santa	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll	added by manufac- ture	expendi- tures, new	employees, number	manufac- ture
							(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total*	3,030	2,401	420	209	103,860	321,695	562,238	58,931	100,118	429,540
20	Food and kindred products2	410	272	116	22	11,253	31,269	61,722	3,468	8,656	42,409
22	Textile mill products	75	18	22	35	13,986	59,000	91,860	2,286	25,810	,116,512
23	Apparel and related products	51	29	16	6	2,668	6,658	12,148	139	3,538	18,063
24	Lumber and wood products3	1,630	1,654	148	28	17,597	42,602	63,214	5,219	12,252	36,973
25	Furniture and fixtures	35	26	8	1	724	1,862	2,985	152	655	2,207
26	Pulp, paper, and products	61	10	16	35	17,398	71,628	150,690	42,083	16,544	103,156
27	Printing and publishing	139	124	10	5	1,944	6,741	11,751	535	1,867	€,743
28	Chemicals and products	38	29	9	• • • • •	576	1,885	4,999	331	695	5,336
31	Leather and leather products	115	31	29	55	19,754	51,614	78,432	1,359	15,714	47,979
32	Stone, clay, and glass products	37	29 30	7 9	1	786	2,672 9,390	6,389	554 745	1,891	2,590 7,439
34	Fabricated metal products	46 46	35	9	7 3	2,450 3,558	13,827	15,944 17,449	513	6,443	26,728
35 37	Machinery, except electrical	72	57	9	6	3,818	14,478	27,143	955	3,492	5,600
	Transportation equipment Miscellaneous manufactures4	40	32	7	1	1,141	3,739	7,000	71	1,286	3,443

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin

companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

In addition to the employment and payroli totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops), which serve the manufacturing establishments of a company rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufactures in the State of Maine reported 773 employees with a total payroll of \$4,807 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954.

1954 Census totals for Major Industry Group 24 are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of unber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and products," in 1954. No estimate has been made of the importance of the

States.

4Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are government owned and operated are excluded from manufacturing industries as defined by the Standard Industrial Classification.)
...Represents zero.

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

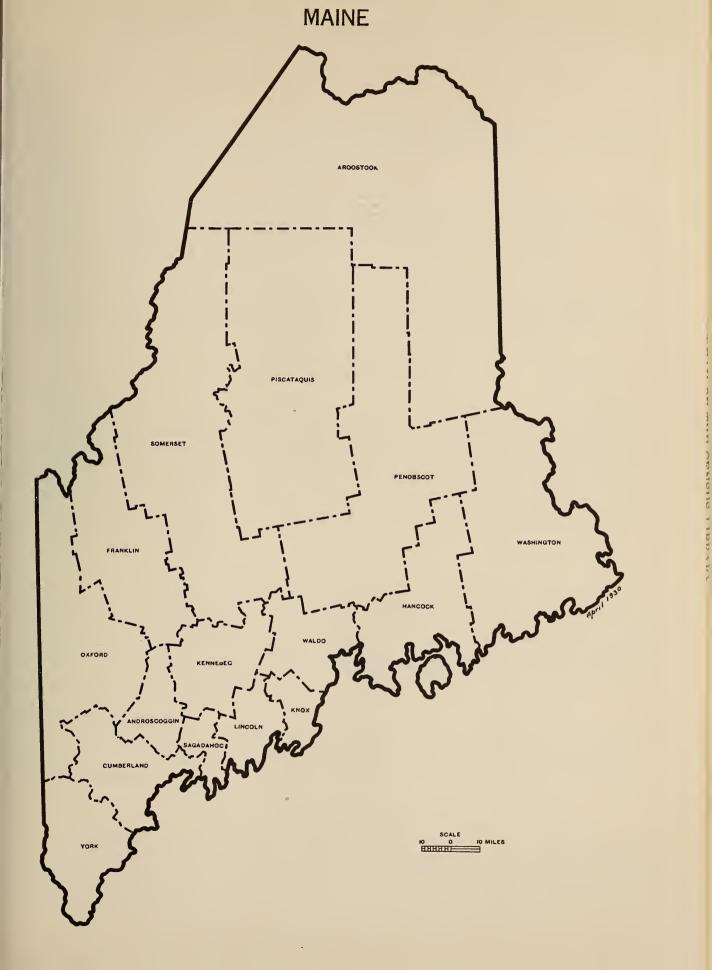
(The State of Maine contains no standard metropolitan areas with 40,000 or more manufacturing employees.)

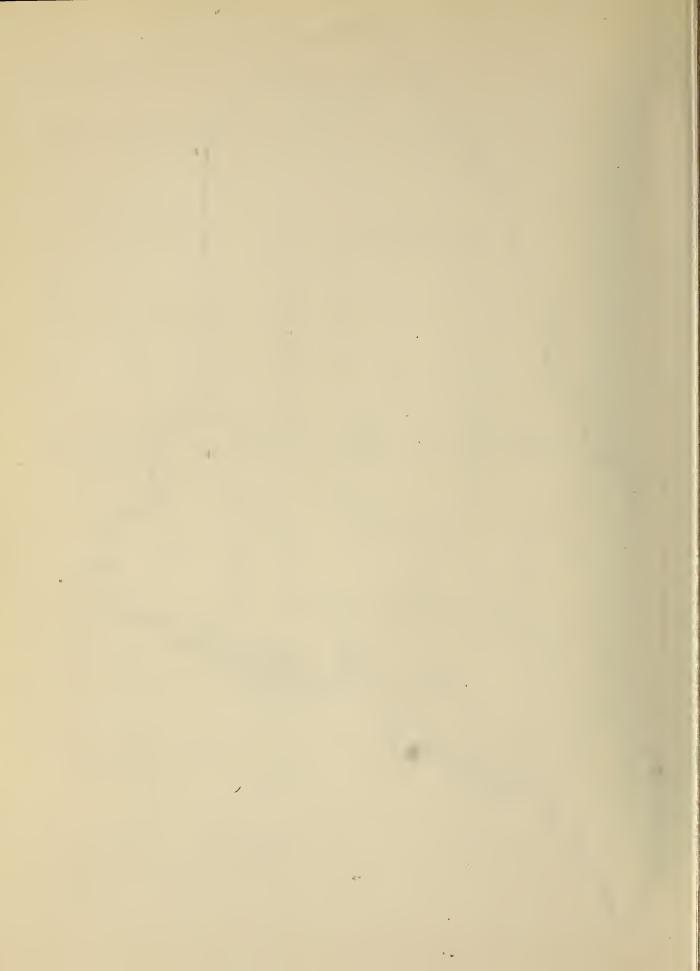
(See text for explanation of column captions)

					1954				19	47
	Total	Number o	of establi with—	ishments	All emp	oloyees	Value	Capital	All	Value
Standard metropolitan area and county .	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll	added by manufac- ture	expendi- tures, new	employees, number	added by manufac- ture
						(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
Maine, total	3,030	2,401	420	209	103,860	321,695	562,238	58,931	100,118	429,540
METROPOLITAN STATE ECONOMIC AREA Portland ¹	369	262	76	31	16,427	54 , 980	99,653	4,018	13,943	64,17
COUNTIES Androscoggin. Arocstock. Cumberland Frunklin. Hancock.	247 205 369 161 137	173 179 262 135 115	43 23 76 18 19	31 3 31 8 3	15,240 3,030 16,427 3,143 2,204	43,194 8,834 54,980 8,913 7,017	72,603 21,591 99,653 12,757 12,654	2,603 (*) 4,018 1,424 858	16,717 1,897 13,943 3,878 1,892	76,536 11,730 64,171 14,329 6,746
Kennebec Knox. Lincoln Oxford Fenobsoot.	175 113 69 270 377	134 83 60 220 305	14 24 6 35 41	27 6 3 15 31	10,972 2,688 802 7,526 12,241	33,243 7,561 2,187 25,402 40,380	58,242 14,167 4,210 38,705 73,329	6,468 808 279 3,602 (*)	11,129 2,196 478 7,219 9,440	51,566 7,74 1,21 26,48 47,31
Piscataquis. Sagadehoc Jomenset Waldo Washington York	138 38 231 103 180 217	121 22 186 84 143	12 13 28 16 30 22	5 3 17 3 7 16	2,032 3,850 6,036 1,594 3,168 12,896	5,176 14,899 16,417 3,927 8,693 40,862	7,414 31,267 24,915 8,169 16,705 65,855	339 948 1,318 310 1,975	1,634 4,157 4,513 1,261 3,103 16,661	4,84 8,79 15,20 4,26 15,78 72,81

^{*}Petail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

The Portland hetropolitan State Economic Area, consisting of Cumberland County, Maine, is a whole-county approximation to the Portland Standard Metropolitan Area which is defined on a city-and-town basis. (See the discussion on New England SMA's in the "Standard Metropolitan Areas" section of the release text.)





PUBLICATION PLAN FOR THE 1954 CENSUS OF MANUFACTURES

ADVANCE REPORTS

Industry Reports

A separate report for each of approximately 400 manufacturing industries presenting statistics on employment, man-hours, payrolls, value added by manufacture, value of shipments, cost of materials, and new capital expenditures, derived from tabulations of the 1954 Census of Manufactures.

State Reports

A preliminary report for each State showing general statistics on employment, payrolls, man-hours, value added by manufacture, and new capital expenditures for the State, important standard metropolitan areas, and selected counties. Statistics are also shown for selected major industry groups within the State and its metropolitan areas.

Summary Reports

Three preliminary summary releases as follows: (1) U. S. totals of general statistics by industry; (2) State and regional totals of general statistics, and (3) Value of shipments for each of approximately 1,000 classes of products covering all manufacturing.

FINAL PUBLICATIONS

Industry Bulletins

Each bulletin contains explanatory text and data for groups of related manufacturing industries, showing for each industry: 1954 statistics on detailed product shipments and materials consumption in terms of quantity and value, cost of fuels and electric energy, value added by manufacture, employment, payrolls, man-hours, inventories, capital expenditures, horsepower of power equipment, water usage, and number of manufacturing establishments, with historical comparisons. Value of shipments, cost of materials, capital expenditures and employment and payroll data are shown for each industry by geographic region and State. Number of employees, value added by manufacture and number of establishments are shown by size class of establishment within industry. Data are provided on selected measures for specialized product plants.

State Bulletins

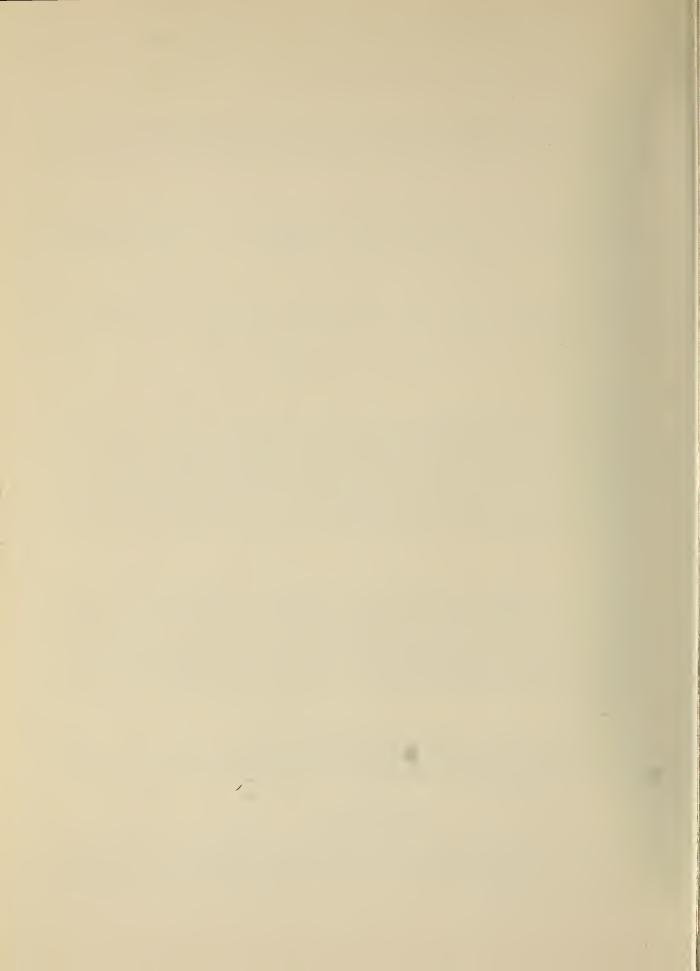
Each bulletin contains explanatory text and data for each State, showing for the State: 1954 statistics on value of shipments, value added by manufacture, employment, payrolls, manhours, new capital expenditures, and number of manufacturing establishments for important industries and industry groups, with historical comparisons. For the State's important metropolitan areas and industrial counties, similar data are shown by industry group. Totals for all manufacturing industries are shown for the above statistics (except value of shipments) for all counties, standard metropolitan areas, State economic areas, and cities with 10,000 or more population. The number of establishments in each major industry group are presented by size of establishment within county.

Subject Bulletins

Each bulletin contains explanatory text and detailed statistics for an individual subject, such as: Employment, payrolls, and man-hours; size of establishments; inventories; capital expenditures; horsepower of power equipment; fuels and electric energy; industrial water use; important materials consumed.

CENSUS VOLUMES

The industry, State, and subject bulletins described above will be assembled in three bound volumes, together with full explanatory texts and technical appendixes. In addition, there will be a general summary chapter in all three volumes, summary statistics chapters for major industry groups in the Industry volume, and summary statistics chapters for geographic divisions in the State volume.



1954 Census of Manufactures

July 1956

Series.

MC-S19

MARYLAND

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

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Table 1.—GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

	_			
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	3,280	2,826	+16
1-19 employees	do	1,998 876 406	1,628 848 350	+23 +3 +16
All employees ¹ Number Payroll	Thousands Million dollars	255.6 997.3	228.7 612.3	+12 +63
Value added by manufacture	do	1,884.5 94.6	1,139.2 123.6	+ú5 -23

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 2.3 thousand employees with a payroll of \$14.5 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

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EXPLANATION OF TERMS

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Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These area are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

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Table 2.—CENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY CROUP: 1954 AND 1947

(See text for explanation of column captions)

	Major industry group	1954								1947	
Ind. group code		Total	Number of establishments with—		All employees		Value	Capital	All	Value	
		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
	All industries, total*	3,280	1,998	876	406	255 , 627	997,337	1,884,481	94,645	228,655	1,139,240
20 22 23 24 25 26	Food and kindred products. Textile mill products. Apparel and related products. Lumber and wood products ³ Furniture and fixtures. Pulp, paper, and products.	687 47 384 366 120 60	367 25 163 308 76 17	237 12 150 50 38 19	83 10 71 8 6 24	39,722 3,781 24,424 4,826 4,490 7,496	129,605 11,738 63,929 12,905 14,499 28,631	258,091 16,356 107,328 20,997 22,762 52,689	17,200 612 1,294 1,249 707 5,242	32,951 6,168 23,627 4,139 2,653 5,537	189,486 24,517 94,866 12,903 9,871 25,332
27 28 29 30 32 33	Printing and publishing	383 186 19 17 153 46	292 98 9 4 100 19	73 60 3 5 37 13	18 28 7 8 16 14	10,656 12,632 3,434 6,280 7,210 32,042	45,050 51,631 16,671 22,941 27,310 146,212	72,297 144,478 34,268 43,150 59,553 339,576	3,074 8,964 (*) (*) 3,238 8,648	9,904 18,133 2,409 5,727 6,810 31,306	54,241 142,559 18,016 27,088 33,472 158,832
34 35 36 37 39	Pabricated metal products. Machinery, except electrical Electrical machinery. Transportation equipment. Miscellaneous manufactures4.	239 189 60 104 144	151 128 33 69 89	57 45 12 18 34	31 16 15 17 21	17,593 11,468 13,076 41,050 11,087	71,515 48,359 57,809 193,425 40,851	139,608 75,767 102,641 322,960 61,262	6,061 4,069 2,883 9,553 2,779	17,467 10,418 9,047 32,630 5,283	83,150 44,269 34,812 150,823 20,500

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and arepair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishments.

In 1967, with contral administrative offices and auxiliary units of manufacturers in the State of Maryland reported 2,324 employees with a

ment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Maryland reported 2,324 employees with a total payroll of \$\pmu L_{\text{,}523}\$ thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual States.

total employment in rajor industry circup 24, "number and wood rroducts," in 1794. No establish that the first amount of the state of t

Table 3. —GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

(See tone 101 onputation of total opposition)											
		1954								1947	
Ind.		Number of est with		of establ with—	ishments	All employees1		· Value	Capital	All	Value
group		number of estab-	1-19 em-	20-99 em-	100 or more	Number	Payrol1	added by manu- facture	expendi- tures, new	employees, number	sdded by manu- fscture
		lishments	ployees	ployees	sm- ployees	Number	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
		BALTIMORE AREA ²									
	All industries, total*	1,940	1,120	536	284	191,153	790,352	1,554,640	76,177	170,164	900,362
20 22	Food and kindred products ³ Textile mill products	303 22	159 13	88	56 6	25,799 2,696	97,233 8,947	197,669 12,446	12,208 566	21,169 2,878	144,210 12,483
23	Apparel and related products Lumber and wood products ⁴	300	144	109 20	47 4	16,699 1,796	47,985 5,742	84,266	861 334	16,766 1,568	78,062 5,962
25	Furniture and fixtures	90	52	34	4	3,894	12,557	20,637	640	2,015	7,510
26 27	Pulp, paper, and products Printing and publishing		13 186	17 61	20 13	5,339 8,552	19,877 37,646	37,473 58,923	3,070 1,898	2,878 8,707	14,793 49,000
28 31	Chemicals and products Leather and leather products	139	68 10	45 3	26 5	9,531	39,480 3,984	115,824	5,985 (*)	9,477 1,282	92,644 4,894
32	Stone, clay, and glass products	63	36	17	1.0	5,011	19,806	44,169	2,134	4,666	23,169
33 34	Primary metal products		16 115	9 45	13 26	31,648 15,775	144,9 1 2 64,511	337,022 127,752	8,591 5,579	30,336 16,294	
35 36	Macbinery, except electrical Electrical machinery	148	100 21	38 4	10	7,822 11,156	33,879 50,866	51,277 91,232	3,311 2,515	8,254 8,546	
39	Miscellaneous manufactures5	94	58	25	11	7,451	30,481	44,964	2,213	3,131	

*Totals include data for industry group which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the Baltimore Standard Metropolitan Area reported 1,852 employees with a total payroll of \$11,587 thousand. Comparable data for 1947 are not available.

The Baltimore Standard Metropolitan Area consists of Baltimore City, Baltimore County, and Anne Arundel County, Maryland.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

41954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable-with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced mo

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)												
					1954				1947			
Standard metropolitan	Total	Number	of establ with—		All em	ployees	Value added by	Capital expendi-	All	Value added by		
area and county	number of estab- lishments	em-	20-99 em-	100 or more em-	Number	Payroll	manu- facture	tures, new	employees, number	manu- facture		
	TISIMETOS	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)		
Maryland, total	3,280	1,998	876	406	255,627	997,337	1,884,481	94,645	228,655	1,139,240		
STANDARD METROPOLITAN AREAS ¹												
Baltimore area, total ²	1,940	1,120	536	284	191,153	790,352	1,554,640	76,177	170,164	900,362		
Washington (D. C.) area, total ³	865 249	629 194	173 40	63 15	30,220 7,407	130,299 30,221	223,269 47,430	10,653 3,015	22,473 3,030	118,776 12,841		
Portion in District of Columbia Portion in Virginia	489 127	342 93	103 30	44	20,224 2,589	89,710 10,368	158,052 17,787	6,550 1,088	17,815 1,628	99,067 6,868		
COUNTIES												
AlleganyAnne Arundel	89 83	58 66	20 11	11	8,640 5,361	34,217 23,506	68,891 31,795	5,145 2,237	16,921 1,339	86,262 6,412		
Baltimore City	1,660 197	931 123	485 40	244 34	119,947 65,845	468,751 298,095	904,341 618,504	53,313 20,627	121,162 47,663	668,760 225,195		
Calvert	10	7	2	1	274	645	1,142	(*)	1)4	455		
Caroline	51 81	30 48	16 21	5 12	1,872	4,120 14,494	7,522 25,149	246 1,080	2,176 4,144	6,605 17,601		
Cecil	64	42	13	9	3,054	9,331	15,084	479	1,323	5,463		
Charles Dorchester	24 87	19 53	5 26	8	248 3,965	7,461	1,083 12,163	69 947	145 3,512	400 13,352		
FrederickGarrett	83 35	46 31	25 4	12	4,105 314	11,053 673	18,878 907	1,047 153	3,962 409	12,130 1,254		
Harford	60	44	14	2	2,304 614	6,499	10,754	703 141	1,673 652	5,543		
Kent	27	21	5	1	592	2,023 1,327	3,484 2,087	382	797	3,088 1,488		
Montgomery	120 129	92 102	21 19	7 8	3,227 4,180	12,529 17,692	21,199 26,231	1,577 1,438	1,531	6,581 6,260		
Queen Annes	24	15	9		427 368	881 1,074	1,605	218 346	222	728 366		
Somerset	58	35	20	3	1,730	3,454	5,832	185	1,130	3,240		
Talbot	60 121	31 65	28 36	1 20	1,530 14,339	2,992 56,698	4,450 75,946	282 1,860	995	3,185 46,320		
Washington	99	52	31	16	5,508	13,751	24,313	1,274	10,469 4,506	13,129		
Worcester	60	40	15	5	2,181	5,458	11,550	824	2,107	5,423		

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

ing of data for smaller counties. Additional publishable detail will appear in the rinar burletin for this scate.

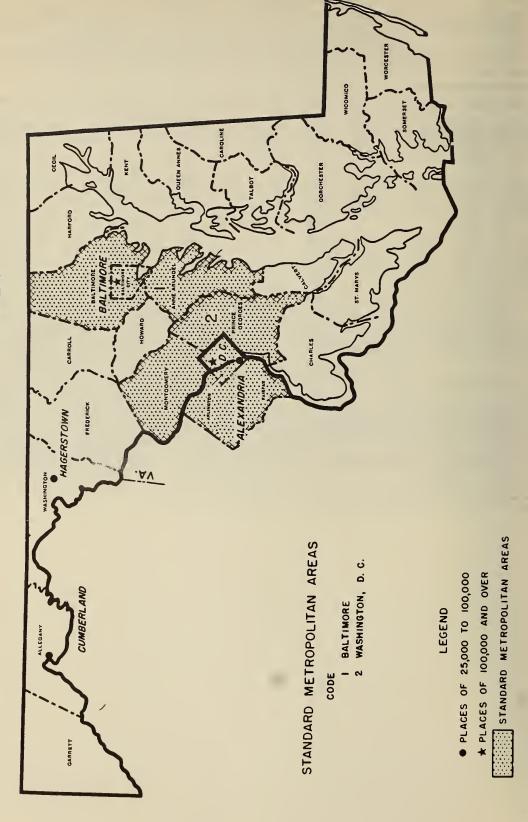
..Represents zero.

In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for the Washington, D. C. Standard Metropolitan Area not shown in Table 3 are 1,000-2,500 employees with payrolls of between \$\frac{8}{5},000,000-\$\frac{8}{10},000,000. Comparable figures are not available for 1947. (For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

2For definition of the Baltimore Standard Metropolitan Area, and the central administrative office and auxiliary unit employment and payroll for this area, see Table 3 footnote 2.

3The Washington (D. C.) Standard Metropolitan Area consists of Montgomery and Prince Georges Counties in Maryland; the District of Columbia; Arlington and Fairfax Counties in Virginia, and Alexandria City and Fails Church City in Virginia.

MARYLAND (23 COUNTIES AND 1 INDEPENDENT CITY) AND AND DISTRICT OF COLUMBIA



COMM-DC

1954 Census of Manufactures

May 1956

Series:

MC-S20

MASSACHUSETTS

SUMMARY STATISTICS FOR THE STATE, ITS METROPOLITAN STATE ECONOMIC AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.—GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	11,234	10,509	+7
1-19 employees	do	7,005 2,883 1,346	6,408 2,787 1,314	+9 +3 +2
All employees Number Payroll Value added by manufacture	Thousands Million dollars	679.9 2,534.8 4,334.7	718.1 1,920.7	-5 +32 +29
Capital expenditures, new		179.5	199.0	-10



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

EXPLANATION OF TERMS.—"Establishments." A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

"All employees, number." This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

"Payroll." Payroll includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

"Value added by manufacture." This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

"Capital expenditures, new." This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS.—"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for Census "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM.—Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Census Bulletins MC-101 through MC-149 Series, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

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Table 2. -- GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

	See	toxt	for	explanatio	n of	column	cantione)	
1	See	Lex L	TOL.	ex brada rrc	III OT	COTOURI	Cab PTOII2 1	

	(bee lext for explanation of column capations)												
						1954				1947			
Ind.	Major industry group	Number of		of establi with	Lshments	All emp	loyees ¹	Value	Capital	All	Value		
group		number of estab- lishments	1-19- em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manufac- ture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manufac- ture (\$1,000)		
	All industries, total	11,234	7,005	2,883	1,346	679,919	2,534,755	4,334,673	179,478	718,069	3,356,311		
20 21 22 23 24	Food and kindred products ² Tobacco manufactures Textile mill products Apparel and related products Lumber and wood products ³	1,450 21 573 1,283 487	1,043 20 194 607 416	301 200 528 64	106 1 179 148	48,655 350 70,213 59,441 5,996	175,937 818 232,456 154,134 18,968	313,355 1,971 362,855 243,425 28,816	15,587 14 12,337 3,310 1,027	44,194 377 129,929 47,465 7,460	226,956 1,272 553,910 172,497 28,475		
25 26 27 28	Furniture and fixtures Pulp, paper, and products Printing and publishing	440 364 1,205 438	293 134 957 312	124 131 188 98	23 99 60 28	12,728 33,972 35,732 15,923	44,722 132,968 147,130 69,963	70,438 234,844 230,129 187,429	1,460 19,232 10,518 13,830	11,017 34,868 34,564 17,983	50,074 190,680 174,667 144,644		
29 3 0	Chemicals and products Petroleum and coal products Rubber products	29 110	18 52	8 24	3 34	2,269 24,634	11,438 101,086	22,893 185,331	3,988 8,776	2,540 26,409	26,155 132,469		
31 32 33	Leather and leather products Stone, clay, and glass products Primary metal industries	842 268 231	390 207 118	260 47 76	192 14 37	65,492 10,399 18,801	200,466 44,795 84,194	289,599 76,191 138,707	4,399 4,338 4,928	70,928 10,481 20,230	326,402 56,539 90,246		
34 35 36	Fabricated metal products Machinery, except electrical Electrical machinery	960 1,156 327	666 791 157	225 259 75	69 106 95	35,967 76,603 75,581	144,161 334,353 288,509	261,550 537,006 545,100	8,732 24,679 21,190	40,686 86,818 55,711	205,547 386,936 256,151		
37 38	Transportation equipment Instruments and related products. Miscellaneous manufactures4	159 178 713	92 108 430	44 36 195	23 34 88	23,601 17,999 46,563	112,550 71,309 164,798	216,745 129,479	6,267 5,853 9,005	18,281 16,055 42,073	80,185 75,700 176,806		

In addition to the employment and payroll totals shown above for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops), which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Massachusetts reported 10,051 employees with a total payroll

such central administrative offices and auxiliary units of manufacturers in the State of Massachusetts reported 10,051 employees with a total payroll of \$54,876 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing léss than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products" in 1954. No estimate has been made of the importance of these loggers and small in group in the Census; in 1954 and 1954. No estimate has been made of the importance of these loggers and small mills for individual States.

small mills for individual States.

4Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3.--GENERAL STATISTICS FOR METROPOLITAN STATE ECONOMIC AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

						or cordinir c						
						1954		19	47			
Ind.	Ma for Juduahan group	Total	Number of establishments with			All emp	loyees	Value	Capital	422	Value	
group		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manufac- ture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manufac- ture (\$1,000)	
			BOSTON, LOWELL, AND LAWRENCE AREA ¹									
	All industries, total*	6,736	4,320	1,732	684	359,710	1,369,633	2,386,240	85,741	369,097	1,800,478	
20	Food and kindred products5	810	536	200	74	34,787	127,756	230,144	10,258	33,796	175,160	
22	Textile mill products	249	104	78	67	24,868	83,640	143,302	4,413	56,749	252,650	
23	Apparel and related products	892	493	3 3 9	60	29,555	85,355	136,695	1,950	26,996	107,584	
24	Lumber and wood products6	199	164	32	3	2,628	8,674	12,023	323	3,064	11,790	
26	Pulp, paper, and products	181	75	71	35	14,474	54,428	97,224	8,728	14,671	82,884	
27	Printing and publishing	819	658	124	37	24,801	107,961	167,776	7,175	24,875	127,535	
28	Chemicals and products	320	226	77	17	10,007	43,771	117,835	3,274	12,248	106,651	
30	Rubber products	77	38	17	22	15,867	63,402	117,785	3,789	17,221	83,555	
31	Leather and leather products	645	309	206	130	45,145	141,861	203,602	3,206	46,696	236,400	
32	Stone, clay, and glass products	152	119	26	7	3,534	13,929	. 23,498	743	3,777	18,544	
33	Primary metal industries	108	62	37	9	4,170	18,231	29,007	1,113	4,750	21,321	
	Fabricated metal products	555	387	141	27	18,567	75,995	145,224	4,588	18,930	101,159	
	Machinery, except electrical	641	457	134	50	30,949	134,389	212,670	9,839	30,747	135,423	
36	Electrical machinery	233	112	50	71	50,514	196,962	367,315	9,626	34,041	158,048	
39	Miscellaneous manufactures7	329	229	77	23	10,890	37,696	60,383	2,471	10,596	46,802	

For footnotes, see end of table.

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Table 3, --GENERAL STATISTICS FOR METROPOLITAN STATE ECONOMIC AREAS, WITH 40,000 OR MORE MANUFACTURING EMPLOYEES. BY MAJOR INDUSTRY GROUP: 1954 AND 1947--Continued

(See text for explanation of column captions)

					**********	1954	·		- 14 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1947		
Ind.	Major industry group	Total	Number o	of establi	Ishments	All emp	loyees	Value	Capital	All	Value	
code		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em-	Number	Payroll	added by manufac- ture	expendi- tures, new	employees, number	added by manufac- ture	
			p-sy	P0	ployees	CDRINGET	(\$1,000) ELD-HOLYOKE	(\$1,000)	(\$1,000)		(\$1,000)	
					· · · · · · · · · · · · · · · · · · ·					1		
	All industries, total*	1,021	611	257	153	82,245	328,615	547,899	.28,966	84,016	389,163	
20 22 23 24 25 26 27 28 34 35 36	Food and kindred products ⁵ Textile mill products. Apparel and related products. Lumber and wood products ⁶ Furniture and fixtures. Pulp, paper, and products. Printing and publishing. Chemicals and products. Fabricated metal products. Machinery, except electrical Electrical machinery.	151 45 55 67 31 74 128 31 94 148	116 5 19 59 20 21 90 21 64 90	24 20 23 6 9 27 26 5 21 45	11 20 13 2 2 26 12 5 9 13	4,345 7,236 4,424 983 838 8,057 4,721 3,633 3,410 17,361 4,395	16,562 24,364 12,204 3,101 3,508 32,303 16,333 17,112 14,893 81,161 15,421	24,252 37,250 19,257 6,227 6,003 55,225 26,224 48,479 24,355 127,693 26,595	1,470 1,065 260 255 72 5,440 1,412 5,256 992 6,027 807	(NA)	(NA.)	
39	Miscellaneous manufactures7	65	37	14	14	12,223	44,102 CESTER AREA ³	62,918	1,637).		
	All industries, total*	1,469	875	384	210	102,987	388,600	650,244	27,852	117,248	534,227	
20 22 23 24 25 26 27 28 31 32 33 34 35 36	Food and kindred products Textile mill products. Apparel and related products. Lumber and wood products Furniture and fixtures. Pulp, paper, and products. Printing and publishing. Chemicals and products. Stone, clay, and glass products. Stone, clay, and glass products. Primary metal industries. Fabricated metal products. Machinery, except electrical. Electrical machinery. Miscellaneous manufactures.	187 121 94 75 98 46 109 38 52 30 47 161 210 34	148 42 40 62 49 16 87 28 16 23 21 103 134 21 64	30 48 40 11 37 16 19 8 16 3 12 38 49 5	9 31 14 2 12 14 3 2 20 4 14 20 27 8 20	3,815 11,835 4,863 1,141 5,443 5,151 3,066 792 6,732 5,270 8,649 8,769 20,997 3,010	13,171 42,684 12,320 3,554 19,777 20,770 12,175 2,940 18,968 24,554 40,641 33,966 89,767 9,328 21,589	23,439 63,521 21,029 5,010 28,447 36,994 18,643 6,089 26,403 41,407 69,483 58,727 147,613 17,133 36,490	1,686 3,023 314 185 805 2,406 787 391 564 2,895 2,454 2,268 5,727 657 2,146	2,668 18,084 4,036 1,263 4,941 5,091 3,227 489 8,091 5,220 8,540 11,306 26,668 1,739 8,243	11,002 83,102 12,845 4,825 23,493 31,525 15,869 3,087 28,725 30,117 35,415 55,425 123,215 5,084 33,019	
j							AND NEW BEDF	ORD AREA4				
	All industries, total*	1,077	574	318	185	79,311	245,145	382,955	17,838	89,382	367,540	
20 22 23 24 25 27 28 30 31 32 34 35 36 39	Food and kindred products Textile mill products Apparel and related products Lumber and wood products Furniture and fixtures Frinting and publishing Chemicals and products Rubber products Leather and leather products Stone, clay, and glass products Fabricated metal products Machinery, except electrical Electrical machinery Miscellaneous manufactures	157 123 188 35 24 56 22 9 18 17 96 81 10	129 36 29 30 14 48 16 1 6 14 72 59 59	22 46 103 5 8 4 3 2 6 3 17 12 11	6 41 56 2 4 3 6 6 6 7 10 4 26	2,936 18,016 17,427 328 871 1,423 1,051 4,437 1,688 2,819 3,685 5,193 13,511	9,267 54,502 38,911 900 2,628 4,487 4,008 16,124 4,547 553 10,221 13,731 1,865 49,506	15,020 75,985 56,849 1,171 4,395 8,113 9,49 28,632 5,878 1,163 16,812 20,825 26,561 74,156	929 2,915 720 37 84 682 4,436 (*) (*) (*) 579 1,356 (*)	2,413 35,764 11,875 365 1,249 991 3,255 928 120 3,601 5,729 4,346	15,390 147,113 37,880 2,507 1,362 5,766 7,156 10,605 3,280 377 16,740 19,946 16,192 51,416	

...Represents zero.

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

NA Not available.

NA Not available.

1The Boaton, Lowell, and Lawrence Metropolitan State Economic Area, consisting of Essex, Middlesex, Norfolk, and Suffolk Counties, Massachusetts, is a whole-county approximation to the Boston, Lowell, and Lawrence Standard Metropolitan Areas which are defined on a city-and-town basis. (See the discussion on New England SWA's in the "Standard Metropolitan Areas" section of the release text.)

2The Springfield-Holyoke Metropolitan State Economic Area, consisting of Hampden and Hampshire counties, Massachusetts, is a whole-county approximation to the Springfield-Holyoke Standard Metropolitan Area which is defined on a city-and-town basis. (See the discussion on New England SWA's in

the "Standard Metropolitan Areas" section of the release text.)

The Worcester Metropolitan State Economic Area, consisting of

Standard Metropolitan Area which is defined on a city-and-town basis. (See the discussion on New England SMA's in the "Standard Metropolitan Areas" saction of tha release text.)

saction of the release text.)

The Fall River and New Bedford Metropolitan State Economic Area, consisting of Bristol county, Massachusetts is a whole-county approximation to the Fall River and New Bedford Standard Metropolitan Areas which are defined on a city-and-town basis. (Sea the discussion on New England SMA's in the "Standard Metropolitan Areas" section of the release text.)

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual metropolitan areas.

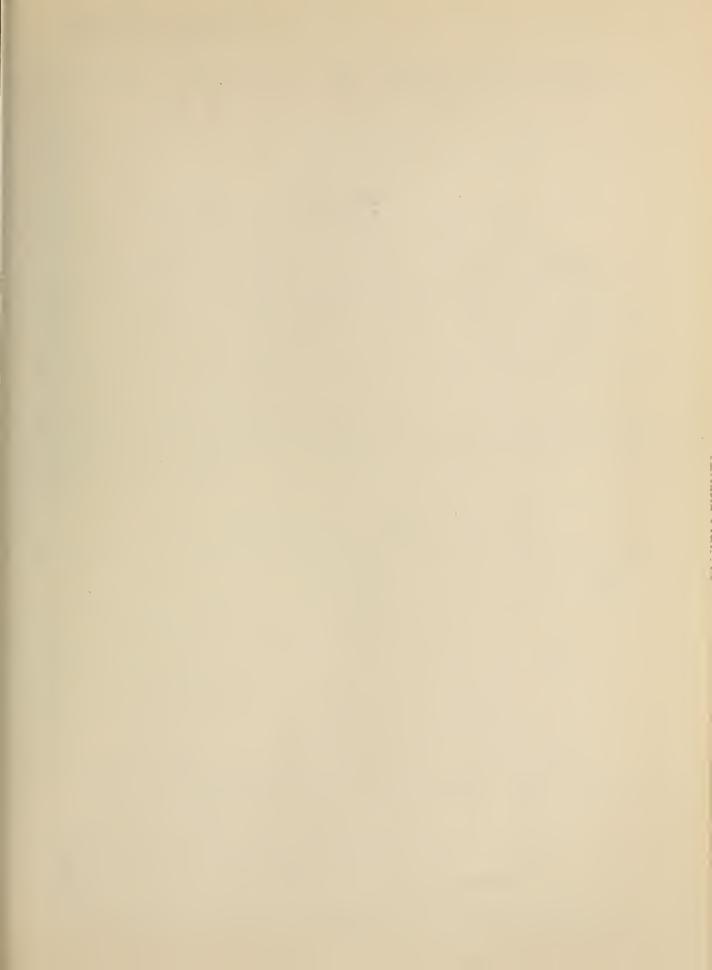
61954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and seal mills for individual metropolitan areas. small mills for individual metropolitan areas.

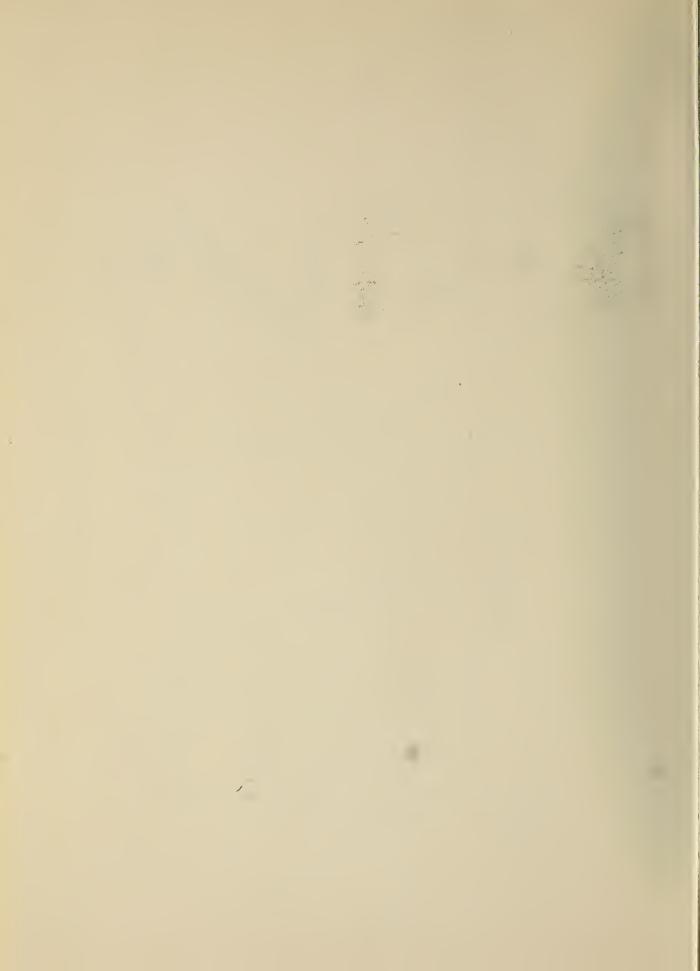
7Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 4. --GENERAL STATISTICS FOR METROPOLITAN STATE ECONOMIC AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

		(See tex	r ror ext	THING LLOID	or coronn ca	ptions)				
					1954			1947		
Standard metropolitan area and county	Total	Number o	f establi with	shments	All emp	loyees	Value	Capital	All	Value
bundard metroportion area and country	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manufac- ture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manufac- ture (\$1,000)
Massachusetts, total	11,234	7,005	2,883	1,346	679,919	2,534,755	4,334,673	179,478	718,069	3,356,311
Boston, Lowell and Lawrence area ¹ Springfield-Holyoke area ¹ Worcester area ¹ Fall River and New Bedford area ¹ Brockton area ² .	6,736 1,021 1,469 1,077 496	4,320 611 875 574 318	1,732 257 384 318 118	684 153 210 185 60	359,710 82,245 102,987 79,311 21,620	1,369,633 328,615 388,600 245,145 69,188	2,386,240 547,899 650,244 382,955 115,207	85,741 28,966 27,852 17,838 3,073	369,097 84,016 117,248 89,382 21,574	1,800,478 389,163 534,227 367,540 88,738
COUNTIES Barmstable Berkshire. Bristol. Dukes. Essex.	68 220 1,077 17 1,377	59 147 574 13 873	9 37 318 4 340	36 185 164	662 25,810 79,311 (*) 87,547	1,912 103,308 245,145 (*) 327,334	3,093 197,667 382,955 (*) 558,581	313 13,237 17,838 (*) 19,775	512 28,223 89,382 (*) 104,376	1,820 136,878 367,540 (*) 468,162
Franklin Hampden Hampshire. Middlesex. Nantucket.	126 840 181 2,075	84 494 117 1,249 4	24 218 39 558	18 128 25 268	7,367 72,435 9,810 135,231 (*)	27,586 292,534 36,081 517,666 (*)	49,965 486,934 60,965 923,137 (*)	2,381 26,014 2,952 33,730 (*)	7,965 74,167 9,849 128,648 (*)	37,247 346,414 42,749 634,799 (*)
Norfolk. Plymouth Suffolk. Worcester	582 496 2,072 1,469	381 318 1,817 875	137 118 697 384	64 60 188 210	35,777 21,620 101,155 102,987	142,391 69,188 382,242 388,600	246,347 115,207 658,175 650,244	12,651 3,073 19,585 27,852	29,249 21,574 106,824 117,248	139,294 88,738 558,223 534,227





1954 Census of Manufactures

June 1956

Series:

MC-S21

MICHIGAN

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

	Chprain Cross Or 10			
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Numberdodododododo	12,811 8,778 2,738 1,295	9,891 6,477 2,227 1,187	+30 +36 +23 +9
All employees ¹ Number Payroll Value added by manufacture Capital expenditures, new	Thousands Million dollarsdo	1,009.1 4,924.3 8,733.6 814.1	975.5 3,097.3 5,200.1 427.7	+3 +59 +68 +90

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 50 thousand employees with a payroll of \$329 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

			1954							1947	
Ind.	Major industry	Total	Number	of establ with-	ishments	All emp	ployees 1	Vslue	Cspitsl	All	Value
group	group	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	sdded by manu- fscture (\$1,000)	expendi- turea, new (\$1,000)	employees, number	sdded by manu- facture (\$1,000)
	All industriea, total*	12,811	8,778	2,738	1,295	1,009,059	4,924,340	8,733,649	814,111	975,481	5,200,135
20 21 22 23	Food and kindred products ² Tobacco manufactures Textile mill products Apparel and related products	1,677 11 48 292	1,183 8 25 196	381 10 80	113 3 13 16	57,279 538 3,320 1^,235	241,635 1,813 12,769 32,579	511,871 5,882 21,962 52,046	31,800 102 1,126 6,398	47,626 906 5,996 9,461	284,824 3,612 31,058 35,677
24 25 26 27	Lumber and wood products ³ Furniture and fixtures Pulp, paper, and products Printing and publishing	1,291 410 189 1,259	1,133 254 50 1,011	131 106 55 204	27 50 84 44	14,775 21,021 29,998 26,981	45,328 87,783 136,253 133,308	73,651 143,695 252,733 222,183	3,862 4,690 27,146 11,900	16,817 21,506 26,022 21,677	72,254 91,299 174,319 136,983
28 29 30 31	Chemicals and products Petroleum and coal products Rubber products Leather and leather producta	402 64 53 40	277 28 26 16	82 23 15 10	43 13 12 14	39,158 4,017 12,531 4,245	192,909 21,872 62,811 15,608	499,768 67,127 105,538 26,051	43,198 8,784 7,104 938	33,978 3,479 15,059 4,433	281,669 50,247 83,597 24,454
32 33 34 35	Stone, clay, and glass products Primary metal industries Fabricated metal products Machinery, except electrical	527 492 1,744 2,822	412 216 1,157 1,939	81 162 422 637	34 114 165 246	18,009 76,985 93,354 164,312	81,029 382,535 458,776 884,786	147,357 653,930 737,030 1,484,114	18,523 68,169 85,572 73,958	15,631 92,606 92,305 150,571	88,231 427,239 500,375 819,904
36 37 38 39	Electrical machinery. Transportation equipment Instruments and related products Miscellaneous manufactures4	235 552 120 583	124 216 89 418	67 134 16 122	202 15 43	21,430 376,785 9,277 24,801	92,705 1,889,074 43,669 107,090	156,441 3,286,636 80,755 204,869	13,374 401,258 1,414 4,783	22,513 377,257 4,840 12,798	104,282 1,911,490 20,058 58,563

*The sum of industry group figures may not equal the "All industries" total, due to the independent rounding of detail and total figures.

*The sum of industry group figures may not equal the "All industries" total, due to the independent rounding of detail and total figures.
..Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Michigan reported 50,008 employees with a total payroll of \$239,289 thousand. Comparable data for 1947 are not available.

The 1954 figures include eatablishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Producta," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2421) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent

MICHIGAN

Table 3. —GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	1947	
Ind.			Number	of establ with-	ishments	All emp	ployees 1	Value	Capital	433	Value	
group	Major industry group	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payrol1 (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)	
						DE	TROIT AREA ²					
	All industries, total*	6,221	4,199	1,437	585	541,984	2,792,329	4,730,524	425,881	557,241	2,912,660	
20 22 23 24 25	Food and kindred products ³	486 20 169 151 153	315 12 127 120 117	116 3 36 28 33	55 5 6 3 3	23,724 1,269 5,031 2,420 3,016	110,437 5,236 20,036 9,651 13,611	213,198 10,140 29,860 15,468 22,024	13,244 240 6,036 571 1,254	21,166 1,960 3,623 2,318 2,417	126,025 13,088 16,008 15,359 11,030	
27 28 29 32	Pulp, paper, and products	54 588 239 40 195 253	22 460 171 20 137 116	18 106 47 14 39 81	14 22 21 6 19 56	5,030 15,205 17,994 2,840 9,886 45,761	23,996 84,140 88,039 15,642 47,465 237,527	37,526 134,465 220,283 48,239 82,580 428,787	5,405 6,736 12,080 7,358 9,792 51,566	4,128 11,939 18,594 2,580 9,064 56,912	22,999 82,423 123,712 35,323 51,308 275,326	
35 36 37 38	Fabricated metal products	1,103 1,912 126 290 68 320	739 1,339 74 119 54	265 437 40 72 9 80	99 136 12 99 5	54,442 94,853 7,086 230,472 1,514 11,240	279,712 548,613 33,870 1,161,997 7,583 52,418	441,949 893,145 60,363 1,924,032 11,734 73,452	57,184 47,123 1,395 197,378 243 2,107	56,267 84,504 9,085 254,008 1,155 5,108	316,655 462,175 46,874 1,214,848 5,899 25,916	
						F	LINT AREA6					
	All industries, total*	289	213	55	21	75,635	388,668	713,776	149,295	54,774	323,205	
						GRAND	RAPIDS AREA	7				
	All industries, total*	782	507	183	92	52,667	246,207	457,927	27,811	49,241	255,255	
23 24 25 26	Food and kindred products ³ Apparel and related productsLumber and wood products ⁴ Purniture and fixturesPulp, paper, and productaPrinting and publishing	130 20 51 93 16 101	98 18 37 36 5 77	23 2 11 37 4 20	9 3 20 7 4	4,031 208 1,331 8,090 1,777 2,288	15,666 591 5,261 35,656 8,461 10,328	27,960 1,117 9,173 59,060 15,443 17,641	2,018 22 214 1,598 (*) 986	2,680 291 1,551 8,557 1,060 1,833	15,596 1,250 6,620 36,999 7,473 10,959	
32 33 34 35 37	Chemicals and producta	28 25 31 106 91 20 37	20 18 15 68 60 10 29	6 5 12 25 21 2 6	2 2 4 13 10 8 2	611 729 1,917 8,752 5,965 10,513 1,196	3,105 3,325 8,267 41,404 30,099 54,406 4,737	4,124 7,010 12,608 65,279 57,074 127,183 7,549	267 497 385 2,312 2,738 14,274 559	432 699 1,486 9,210 9,340 6,833 721	3,036 3,472 6,800 47,518 57,071 36,134 3,180	

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figurea for individual com-panies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

.Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or suxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than on manufacturing establishment. In 1954, the employment and payroll figures for such central administrative offices and auxiliary units of manufacturers in each standard metropolitan area are shown in the table below. Comparable data for 1947 are not available.

Standard metropolitan area	Employeea (number)	Payrol1 (\$1,000)
Detroit	47,287 1-4	312,184 20-49
Grand Rapids		500-1,000

²The Detroit Standard Metropolitan Area consiats of Macomb, Oakland, and Wayne Counties, Michigan.

The Detroit Standard Metropolitan Area consists of Macomb, Oakland, and Wayne Counties, Michigan.

The 1954 figures include establiahmenta engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as mamifeaturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 241) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual standard metropolitan areas.

Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

The Grand Rapids Standard Metropolitan Area consists of Genesee County, Michigan.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 (See text for explanation of column captions)

***************************************	1954						19	47		
		Number	of establ	ishments					19	
Standard metropolitan area and county	Total number of estab-	1-19 em-	with— 20-99 em-	100 or more	All em	Psyroll	Vslue added by manu- fscture	Cspital expendi- tures, new	All employees, number	Value added by manu- facture
	lishments	ployees	ployeea	em- ployeea		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
Michigan, total	12,811	8,778	2,738	1,295	1,009,059	4,924,340	8,733,649	814,111	975,481	5,200,135
						44.040			0/1	
Bay City ² Detroit ³ Grand Rapids ³ Jackson ⁴ Kalamazoo ⁵ Lansing ⁶ Saginaw ⁷ .	156 6,221 289 782 266 269 213 231	102 4,199 213 507 182 155 142 146	31 1,437 55 183 57 68 42 54	23 585 21 92 27 46 29	10,771 541,984 75,635 52,667 15,555 24,285 29,576 26,860	46,981 2,792,329 388,668 246,207 72,233 109,313 151,166 125,438	69,036 4,730,524 713,776 457,927 140,047 234,504 321,558 238,810	6,565 425,881 149,295 27,811 5,929 18,703 15,432 31,625	10,841 557,241 54,774 49,241 16,261 20,867 25,852 22,141	50,767 2,912,660 323,205 255,255 87,913 150,412 155,054 115,187
COUNTIES										
Alcona. Alger. Allegan. Alpena. Antrim.	11 34 93 40 23	10 29 68 29 15	1 2 18 7 7	3 7 4	(*) 820 3,325 2,723 541	(*) 3,250 13,134 12,022 1,904	(*) 5,285 25,763 25,692 3,175	(*) 444 2,127 4,564 300	(*) 1,082 2,840 2,057 229	(*) 6,690 16,760 17,259 697
Arenac Baraga Barry Bay. Benzie	15 43 37 156 20	11 39 24 102 14	2 3 8 31 6	2 1 5 23	(*) 426 2,614 10,771 386	(*) 1,215 10,443 46,981 1,077	(*) 1,643 17,976 69,036 1,687	(*) 106 856 6,565 156	(*) 743 2,301 10,841 342	(*) 3,986 13,101 50,767 1,443
Berrien Branch. Calhoun Casa Charlevoix.	294 64 199 53 32	189 43 120 42 24	68 13 49 6 6	37 8 30 5 2	20,963 2,520 21,936 1,707 699	92,683 9,618 97,479 6,631 2,529	177,135 15,994 233,941 10,829 3,713	9,233 961 7,886 547 246	18,344 2,660 19,758 1,690 604	89,819 12,268 126,630 7,773 3,877
Cheboygan	29 59 17 29 12	22 48 13 22 9	6 7 3 4 2	1 4 1 3	796 2,149 726 863 288	3,277 7,880 2,648 3,736 815	4,871 10,242 5,662 9,659 1,449	105 3,619 (*) 279 (*)	555 2,034 195 752 98	3,508 10,544 839 4,331 256
Delta Dickinson Eaton Eaton Emmet Genesee.	124 85 67 26 289	110 74 47 15 213	8 6 15 10 55	6 5 5 1 21	2,428 2,029 2,094 813 75,635	8,455 6,265 6,742 3,080 388,668	16,225 8,612 10,527 4,806 713,776	879 525 365 229 149,295	2,229 2,121 1,915 827 54,774	8,977 8,719 7,278 4,259 323,205
Gladwin Gogebic Grand Traverse Gratiot Hillsdale	5 54 56 46 55	5 44 35 31 37	5 15 4 12	 5 6 11 6	(*) 1,134 2,345 3,001 2,223	(*) 3,446 9,590 12,201 9,973	(*) 5,859 15,491 23,878 17,015	(*) 328 574 2,527 583	(*) 1,141 1,916 2,829 2,459	(*) 4,305 5,909 14,285 11,004
Houghton. Huron. Ingham Ionia. Iosco.	94 51 213 69 26	77 34 142 49 20	15 13 42 12 3	2 4 29 8 3	(*) 1,786 29,576 3,574 875	(*) 7,231 151,166 12,704 3,391	(*) 12,164 321,558 21,504 7,974	(*) 830 15,432 1,338 374	(*) 1,284 25,852 3,439 286	(*) 6,807 155,054 17,159 1,989
Iron. Isabella. Jackson. Kalamazoo Kalkaska.	50 32 266 269 13	46 23 182 155 12	4 6 57 68 1	27 46	356 802 15,555 24,285 119	721 3,600 72,233 109,313 354	1,105 7,341 140,047 234,504 596	1,155 5,929 18,703 (*)	314 924 16,261 20,867 12	799 5,915 87,913 150,412 85
Kent. Kewenaw. Lake Lapeer. Leelanau.	782 18 7 43 18	507 15 6 32 13	183 3 1 6 4	92 5 1	52,667 (*) (*) 1,204 329	246,207 (*) (*) 4,493 935	457,927 (*) (*) 7,001 1,354	27,811 (*) (*) 403 (*)	49,241 (*) (*) 1,071 215	255,255 (*) (*) .4,409 801
Lenawee. Liringston. Luce. Mackinac. Maccomb.	163 79 28 21 750	107 61 24 20 547	35 13 2 1 161	21 5 2 42	11,631 1,889 566 (*) 35,270	54,010 8,006 2,113 (*) 182,713	94,914 12,898 2,387 (*) 285,522	3,635 828 124 (*) 38,550	10,426 1,471 328 (*) 14,843	50,005 7,490 1,478 (*) 106,404
Manistee. Marquette Mason. Mecoata Menominee	48 139 44 36 107	32 118 26 21 87	7 15 14 10 15	9 6 4 5	2,267 2,588 1,743 1,239 3,002	8,407 7,434 6,311 3,512 10,572	20,334 13,975 8,825 5,387 18,930	1,153 788 503 206 1,404	2,478 2,611 1,708 1,129 2,847	9,228 10,318 7,029 3,370 12,376

For footnotes, see end of table.

MICHIGAN

Table 4.~-GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued

(See text for explanation of column captions)

					1954				1947	
Standard metropolitan		Number	of establ with—	ishments	All em	ployees	Vslue	Cspitsl	A11	Value
area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	sdded by msnu- fscture (\$1,000)
COUNTIESContinued										
Midland. Missaukee Monroe. Montcaln. Montworency.	38 6 100 54 14	26 6 59 38 13	22 11 1	19 5	(*) (*) 8,655 3,485 (*)	(*) (*) 44,427 14,443 (*)	(*) (*) 67,984 23,108 (*)	(*) (*) 3,487 943 (*)	(*) (*) 6,820 3,612 (*)	(*) (*) 44,630 22,041 (*)
Muskegon. Newaygo. Oakland Oceana. Ogemaw.	198 33 1,056 36 19	120 25 759 25 19	39 6 233 11	39 2 64	25,281 1,753 57,672 541 (*)	116,354 9,677 300,615 1,328 (*)	189,777 17,240 532,808 2,390 (*)	18,015 1,371 64,408 176 (*)	30,187 1,536 44,566 614 (*)	142,616 5,490 261,462 2,327 (*)
Ontonagon Osceola Oscoda Oscoda Otsego Ottawa	46 22 7 21 232	40 12 6 18 139	4 8 1 1 68	2 2 2 25	549 710 (*) 518 12,133	1,673 2,554 (*) 1,907 50,742	2,329 4,475 (*) 4,470 92,635	97 249 (*) 88 5,261	1,000 287 (*) 248 10,093	4,629 1,421 (*) 1,280 55,873
Presque Isle Roscommon. Saginaw St. Clair St. Joseph.	19 19 231 164 122	17 17 146 116 72	2 2 54 28 28	31 20 22	165 132 26,860 9,547 6,538	342 352 125,438 42,376 24,610	499 615 238,810 73,831 53,148	(*) (*) 31,625 3,624 2,766	43 37 22,141 10,457 5,914	80 137 115,187 54,313 33,028
Sanilac Schoolcraft Shiawassee Tuscola	53 29 74 44	41 23 54 34	6 6 13 8	6 7 2	1,704 372 3,617 1,100	5,776 1,149 14,184 4,614	8,916 2,434 20,873 6,573	569 155 1,421 *196	419 561 4,695 1,142	1,475 2,821 20,209 5,661
Van Buren. Washtenaw Wayne. Wexford.	94 194 4,415 38	66 131 2,893 23	18 38 1,043 9	10 25 479 6	3,306 21,039 449,042 2,033	11,736 99,206 2,309,001 6,817	23,563 171,781 3,912,194 10,336	1,629 24,634 322,923 298	2,811 23,065 497,832 2,278	12,206 120,298 2,544,794 8,314

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Bay City		1,000-2,500 500-1,000
Lansing		2,500-5,000 250 - 500

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

The Bay City Standard Metropolitan Area consists of Bay County, Michigan.

Tor definition of standard metropolitan areas, and the central administrative office and auxiliary unit employment and payroll for this area, see Table 3 footnotes.

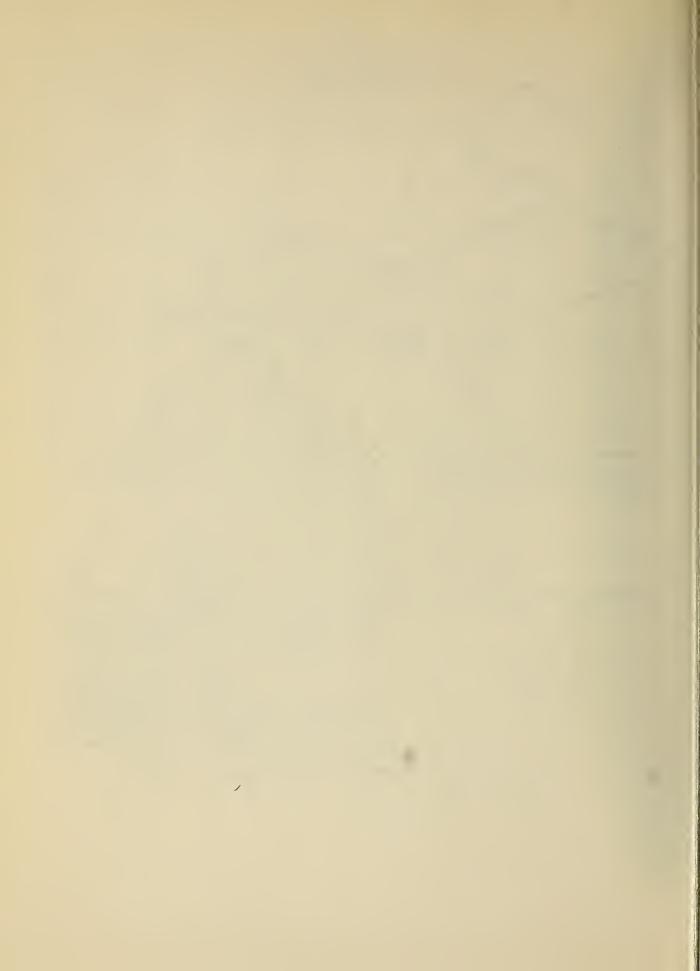
4The Jackson Standard Metropolitan Area consists of Jackson County, Michigan.

5The Kalamazoo Standard Metropolitan Area consists of Kalamazoo County, Michigan.

6The Lansing Standard Metropolitan Area consists of Ingham County, Michigan.

7The Saginaw Standard Metropolitan Area consists of Saginaw County, Michigan.





1954 Census of Manufactures

August 1956

Series:

MC-S22

MINNESOTA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.—GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	5,052	4,563	+11
1-19 employees	do	3,733 978 341	3,276 961 326	+14 +2 +5
All employees ¹ Number Payroll	Thousands	204.0 839.0	181.5 508.4	+11 +65
Value added by manufacture		1,604.7 82.5	1,021.3 82.8	+57

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 5.5 thousand employees with a payroll of \$30.4 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. —GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

			(See te	xt for ex	planation	of column ca	sptions)				
						1954				19	47
Ind.	Major industry	Total	Number	of estsbl with-	ishmenta	All emp	ployees ¹	Vslue	Capital	All	Value
group	droup.	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employeea, number	sdded by msnu- facture (\$1,000)
	All industries, total*	5,052	3,733	978	341	203,993	838,990	1,604,731	82,526	181,520	1,021,274
20 22 23	Food and kindred products ² Textile mill products Apparel and related products	1,186 28 187	834 10 87	259 10 75	93 8 25	49,575 2,944 9,049	199,002 9,603 25,244	400,307 14,822 40,409	29,028 759 463	46,482 4,678 9,036	279,049 15,456 33,684
24 25 26	Lumber and wood products ³ Furniture and fixtures Pulp, paper, and producta	800 124 80	719 92 28	72 24 31	9 8 21	8,585 2,691 15,397	27,974 10,834 71,105	46,272 15,768 173,349	2,502 585 11,189	6,718 2,791 13,703	25,707 11,797 103,693
27 28 29	Printing and publishing	804 184 25	688 135 11	96 39 7	20 10 7	19,423 5,317 1,512	85,726 21,950 6,705	138,509 99,569 16,195	4,541 4,052 1,134	18,143 4,952 1,469	105,343 68,205 10,704
31 32 33	Leather and leather products Stone, clay, and glass products Primary metal industries	32 280 78	18 223 36	10 50 33	4 7 9	1,599 5,135 5,337	5,307 18,804 23,807	8,070 31,545 40,088	210 2,104 3,010	1,636 3,612 6,971	8,000 15,706 29,393
35	Fabricated metal products Machinery, except electrical Electrical machinery	310 458 88	217 311 52	70 99 17	23 48 19	9,831 23,833 6,675	41,363 101,466 27,875	73,089 180,323 48,739	4,642 7,101 1,278	11,174 24,068 9,105	60,816 128,933 37,228
37 39	Transportation equipment Miscellaneous manufactures4	75 229	47 162	18 52	10 15	7,109 17,455	32,373 75,809	65,258 107,701	1,658 5,296	3,403 5,826	21,056 28,221

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shopa) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment, in 1954, such central administrative offices and auxiliary units of manufacturers in the State of Minnesota reported 5,484 employees with a total payroll of \$30,366 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Tumber and Wood Products," are not atrictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census, it is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mil

Table 3. --GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	47
Ind.	Standard metropolitan area		Number	of establ	ishments	All em	ployees 1	Value	Cspital	All	Value
group		Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
						MINNEAPOLIS	S-ST. PAUL A	REA ²			
	All industries, total*	2,263	1,472	572	219	134,883	585,563	1,084,790	47,564	120,441	713,462
20	Food and kindred products ³ Textile mill products Apparel and related products	265	127	91	47	22,502	99,467	178,170	15,683	20,853	138,066
22		14	5	5	4	2,243	7,539	9,767	(*)	3,076	9,734
23		154	72	64	18	6,875	20,480	29,781	405	7,293	27,860
24	Lumber and wood products ⁴	87	59	22	6	2,286	8,730	12,214	282	3,172	13,244
25		95	67	20	8	2,354	9,806	14,263	489	2,515	11,049
26		50	19	21	10	9,146	42,629	110,328	4,404	8,688	68,343
27	Printing and publishing	370	297	55	18	15,625	72,852	116,419	3,240	14,852	91,067
28		136	100	28	'8	3,825	15,704	80,260	2,038	3,996	59,087
29		19	9	7	3	815	3,570	7,411	(*)	989	8,841
31	Leather and leather products	21	15	5	1	428	1,238	1,882	37	555	1,979
32	Stone, clay, and glass products.	81	59	21	1	1,254	5,660	8,912	819	815	4,674
33	Primary metal industries	53	23	25	5	2,023	8,359	14,254	497	2,422	12,361
34	Fabricated metal products Machinery, except electrical Electrical machinery Miscellaneous manufactures ²	247	174	56	17	7,893	34,352	59,569	4,015	8,842	47,127
35		323	218	71	34	18,551	80,958	141,778	4,752	20,039	109,162
36		69	42	14	13	4,516	20,460	36,894	1,016	7,820	34,344
39		170	114	44	12	15,808	70,295	98,178	4,968	4,377	21,488

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliars were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, the employment and payroll figures for such central administrative offices and auxiliary units of manufacturers in each standard metropolitan area are shown in the table below. Comparable data for 1947 are not available.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Minneapolis-St. Paul	5,026	27,889

The Minneapolis-St. Paul Standard Metropolitan Area consists of Anoka, Dakota, Hennepin, and Ramsey Counties, Minnesota.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

41954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planting Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual standard metropolitan areas.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

					1954				19	47
		Number	of establ	ishments	All em	ployees	Value	Capital		Value
Standard metropolitan area and county	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
Minnesota, total	5,052	3,733	978	341	203,993	838,990	1,604,731	82,526	181,520	1,021,274
STANDARD METROPOLITAN AREA ¹										
Duluth, Minnesota-Superior, Wisconsin area, total ² . Portion in Minnesota. Portion in Wisconsin.	435 380 55	338 305 33	71 54 17	26 21 5	12,897 11,346 1,551	50,252 44,178 6,074	² 90,688 ² 77,725 12,963	6,187 5,470 717	12,931 11,543 1,388	55,526 46,228 9,298
Minneapolis-St. Paul area ³	2,263	1,472	572	219	134,883	585,563	1,084,790	47,564	120,441	713,462
COUNTIES										
Aitkin. Anoka. Becker. Beltrami Benton.	27 44 39 53 34	26 35 34 47 26	1 5 6 7	8	228 5,032 378 442 704	517 24,079 1,096 1,180 2,510	897 35,198 1,673 1,893 5,725	79 1,115 264 174 231	193 2,148 239 700 455	656 14,022 941 2,227 2,518
Big Stone. Blue Earth. Brown. Carlton. Carver.	5 68 47 33 26	4 46 32 25 17	1 16 13 2 8	6 2 6 1	(*) 1,993 1,106 3,751 521	(*) 7,267 3,444 14,979 1,838	(*) 14,907 7,221 31,569 4,883	(*) 837 327 2,376 279	(*) 1,613 1,381 3,117 460	(*) 8,442 7,408 16,719 2,728
Cass. Chippewa Chisago. Clay. Clay.	56 14 27 27 23	54 12 25 19 21	2 1 2 5 2	1 3	307 236 216 662 168	593 597 683 2,369 441	1,013 976 2,028 5,320 931	83 (*) 106 266 76	341 233 305 171 81	1,250 674 1,452 742 256
Cook. Cottonwood. Crow Wing. Dakota Dodge.	22 23 45 51 13	20 21 34 36 12	2 9 11 1	2 2 4	210 416 727 7,954 148	547 1,239 2,459 35,666 342	808 3,710 3,217 37,592 787	72 88 594 2,365 (*)	135 78 733 7,826 88	431 303 3,737 32,310 299
Douglas. Faribault. Fillmore Freeborn Goodhue.	29 32 28 57 59	27 27 27 37 35	2 3 1 16 21	2 4 3	236 718 151 3,089 2,212	657 1,986 389 11,354 7,661	1,304 4,566 548 16,514 13,593	161 400 92 870 1,078	377 833 171 2,840 2,410	1,216 3,034 783 17,026 16,459
Grant. Hemmepin. Hous ton. Hubbard. Isanti.	1,529 25 33 19	1,020 24 31 16	374 1 1 3	135	(*) 72,091 169 271 141	(*) 303,555 409 513 358	(*) 540,454 991 1,113 465	(*) 20,004 176 109 (*)	(*) 66,365 71 190 271	(*) 385,211 200 740 891
Itasca. Jackson. Kanabec. Kandiyohi Kittson.	105 15 13 27 11	95 15 10 21 11	9 2 4	1 1 2	1,007 (*) 250 598 (*)	3,464 (*) 917 1,462 (*)	6,956 (*) 1,767 3,681 (*)	1,269 (*) (*) 246 (*)	511 (*) 146 268 (*)	3,248 (*) 765 1,110 (*)
Koochiching. Lac qui Parle. Lake. Lake of the Woods. Le Sueur.	82 11 29 18 28	75 11 25 17 20	3 1 5	3 1 3	(*) (*) 438 (*) 878	(*) (*) 1,369 (*) 3,005	(*) (*) 1,822 (*) 6,805	(*) (*) 208 (*) 335	(*) (*) 159 (*) 1,314	(*) (*) 396 (*) 7,063
Lincoln. Lyon. McLeod. Mahnomen. Marshall.	8 26 44 5 13	8 21 33 5 13	9	1 2	(*) 397 1,186 (*) (*)	(*) 993 3,887 (*) (*)	(*) 1,924 15,383 (*) (*)	(*) 105 857 (*) (*)	(*) 553 551 (*) (*)	(*) 2,296 3,231 (*) (*)
Martin Meeker Mille Lacs. Morrison. Mower.	35 24 30 36 28	29 21 25 29 24	3 2 5 5 3	3 1 2 1	1,062 319 301 696 (*)	3,778 975 744 1,951 (*)	8,806 2,294 1,818 3,669 (*)	730 349 85 384 (*)	983 465 165 738 (*)	4,438 2,368 663 3,116 (*)
Murray Nicollet Nobles Norman Olmsted	7 18 18 13 43	7 17 16 13 31	1 1	1	(*) 188 507 (*) 1,575	(*) 537 1,484 (*) 5,675	(*) 758 2,285 (*) 11,788	(*) (*) (*) (*) (*) 707	(*) 247 287 (*) 697	(*) 859 1,560 (*) 3,313
Otter Tail. Penmington. Pine Pipestone Polk.	53 14 27 19 33	42 10 24 17 29	11 3 3 1 3	1 1 1	680 317 189 306 460	2,169 892 580 966 1,662	4,270 1,890 1,042 1,791 2,462	270 (*) 276 (*) 212	709 262 265 211 616	2,576 864 1,249 910 4,649

For footnotes see end of table.

MINNESOTA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

					1954				19	47
Standard metropolitan	Total	Number	of establ with—	ishments	All em	ployees	Value	Capital	All	Value
area and county	number of estab- lishments	em-	20-99 em- ployees	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by menu- facture
		projects	Ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
COUNTIESContinued										
Pope. Ramsey. Red Lake Redwood. Renville	13 639 9 18 29	11 381 9 18 27	2 186 2	72	114 49,806 (*) 112 223	300 222,263 (*) 312 538	435 471,546 (*) 639 1,016	(*) 24,080 (*) (*) 92	98 44,102 (*) 190 163	438 281,919 (*) 762 941
Rice Rock. Roaeau St. Louis. Scott.	38 15 20 380 27	22 12 18 305 20	13 3 2 54 6	3 21 1	1,108 224 156 11,346 994	3,782 712 395 44,178 4,035	6,616 1,346 634 77,725 7,698	593 (*) 69 5,470 413	1,495 135 107 11,543 711	7,476 574 297 46,228 4,613
Sherburne	8 24 111 44 12	4 22 87 27 11	3 2 21 13 1	3 4	(*) 187 2,774 1,649 (*)	(*) 578 9,321 6,245 (*)	(*) 1,441 19,440 11,989 (*)	(*) 116 996 426 (*)	(*) 269 1,785 1,106 (*)	(*) 1,282 8,698 6,887 (*)
Swift. Todd. Traverse Wabasha. Wadena.	9 22 2 24 29	7 20 2 20 . 25	2 2 3 4	1	(*) 211 (*) 500 223	(*) 692 (*) 1,980 617	(*) 1,093 (*) 3,370 1,268	(*) 109 (*) 214 166	216 312 (*) 477 201	971 1,371 (*) 2,429 664
Waseca. Washington. Watonwan Wilkin. Winona.	25 44 16 7 98	21 30 13 6 57	2 7 1 31	2 7 3	1,206 3,580 570 (*) 3,301	3,482 16,513 1,702 (*) 11,562	8,790 35,394 2,682 (*) 20,177	416 1,815 (*) (*) 1,720	696 2,831 370 (*) 3,239	2,961 11,177 1,251 (*)
WrightYellow Medicine	47 16	36 13	10 3	1	745 158	2,179 419	4,389 1,235	395 (*)	473 126	2,610 265

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

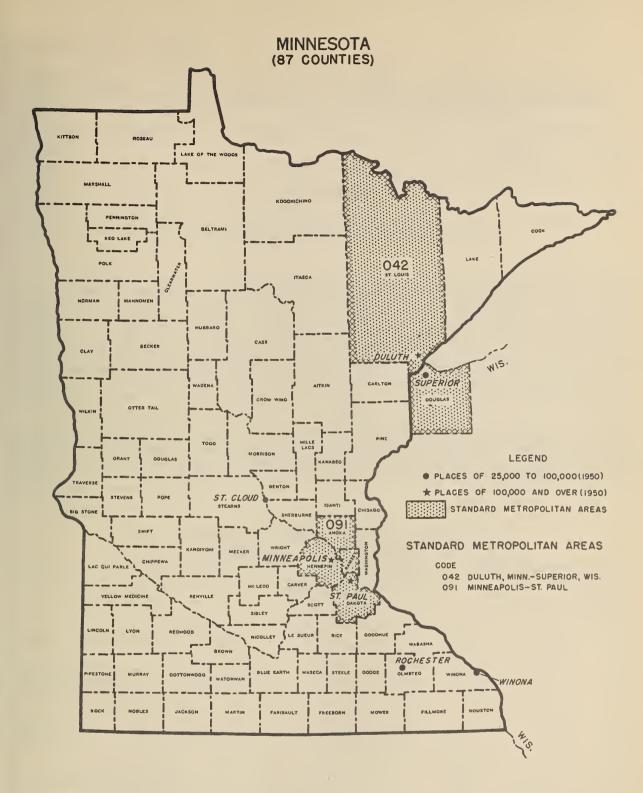
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In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

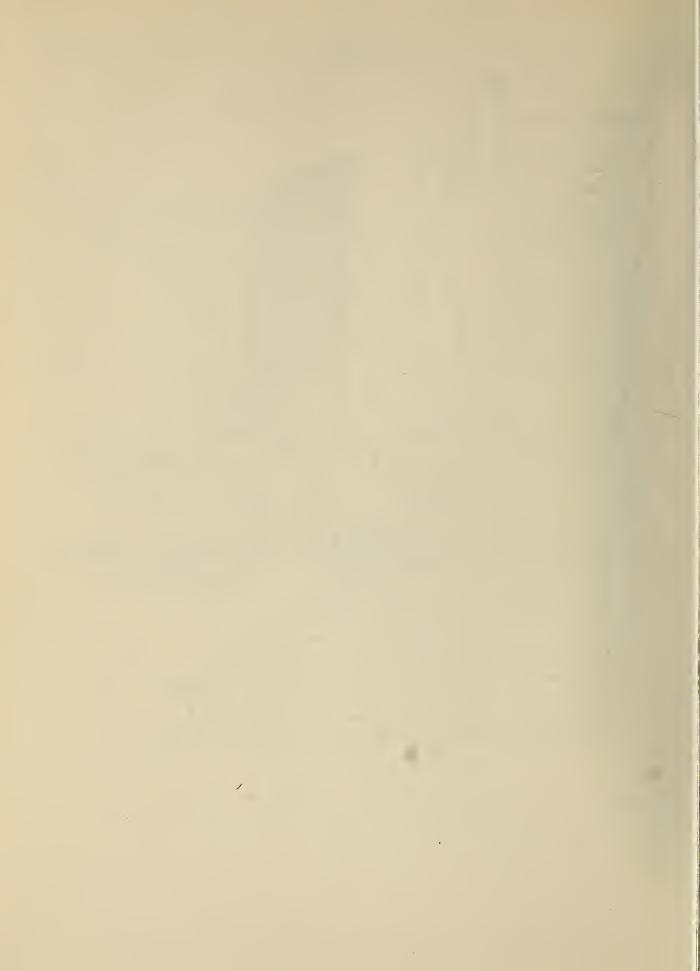
	Standard metropolitan area	Employees (number)	Payroll (\$1,000)	•
Dulut	h-Superior	10-20	100-250	

²The Duluth-Superior Standard Metropolitan Area consists of St. Louis County, Minnesota and Douglas County, Wisconsin. Totals for this standard metropolitan area and the Minnesota portion thereof were revised subsequent to the MC-S48 release for the State of Wiaconsin. (For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

³For a definition of the Minneapolis-St. Paul Standard Metropolitan Area, and the central administrative office and auxiliary unit employment and payroll for this area, see Table 3 footnotes.



COMM-DC



1954 Census of Manufactures

July 1956 Series: MC-S23

MISSISSIPPI

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREA, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

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Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	2,263	1,985	+14
1-19 employees	do	1,591	1,321	+20
20-99 employees		472 200	518 146	-9 +36
All employees ¹				
Number	Thousands	91.4	77.4	+18
Payroll	Million dollars	238.0	139.0	+71
Value added by manufacture	do	466.8	302.3	+54
Capital expenditures, new	do	39.2	22.7	+73

¹In addition to data for operating establishments, manufacturers' central administrative offices and suxiliary units reported 0.6 thousand employees with a payroll of \$3.7 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

Payroll.--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. -- GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

			(DCC 00	40 TOT 0X	PEDINGUEON	OI COILLIN C	apozono,				
						1954				19	47
Ind.		Total	Number	of establ with—	iahmenta	All emp	ployeea	Value	Capital	All	Value
group	group	number of estab- liahments	1-19	20-99 em- ployeea	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	employeea, number	sdded by manu- fscture
			projects	project	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total*	2,263	1,591	472	200	91,373	238,090	466,846	39,175	77,353	302,268
20	Food and kindred products2	429	291	116	22	11,023	25,959	60,333	4,486	8,063	33,563
22	Textile mill products	28	6	9	13	5,221	12,383	16,062	2,619	5,273	17,667
23	Apparel and related products	101	20	18	63	18,833	34,915	51,909	1,302	11,034	25,563
24	Lumber and wood products3	1,087	869	177	41	21,494	42,675	71,791	3,063	29,370	89,983
25	Furniture and fixtures	47	32	7	8	3,174	9,237	12,941	808	1,559	2,947
26	Pulp, paper, and products	20	2	5	13	8,186	32,589	85,131	4,885	4,827	36,463
27	Printing and publishing	174	151	22	1	2,003	6,672	10,110	425	1,605	6,733
28	Chemicals and products	99	34	52	13	5,739	19,244	52,355	12,425	4,787	35,342
32	Stone, clay, and glass products	77	52	20	5	2,515	7,923	19,402	1,832	2,032	10,467
34	Fabricated metal products	58	44	11	3	1,876	5,847	12,123	1,484	445	2,539
35	Machinery, except electrical	52	34	14	4	1,677	5,843	11,636	848	1,053	3,342
39	Miscellaneous manufactures4	25	20	4	•1	457	1,208	2,826	155	231	475

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establiahments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Missiasippi reported 620 employees with a total payroll of \$3,696 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment engaged in the Processing and distribution of fluid milk and cream. For 1947, this type of establishment engaged in the Processing and distribution of fluid milk and cream. For 1947, this type of establishment engaged in the Processing and distribution of fluid milk and cream. For 1947, this type of establishment engaged in the Canaus figures. These plants account for approximately 8 percent of

The 1954 figures include establishmenta engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and sawmil mills for individual States.

4 Includes privately consecuted, one and for operated establishments classified in Major Industry Group 18, "Ordnance and Accessories." (Establishments which

4Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments are both owned and operated by the government are excluded from manufacturing industries as defined by The Standard Industrial Classification.)

(The State of Mississippi contains no standard metropolitan area with 40,000 or more manufacturing employees)

MISSISSIPPI

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

		(See tex	t for exp	lanation o	of column cap	otions)					
		Number of establishments All employees							19	1947	
Standard metropolitan area and county	Total number of estab- lishments	1-19 em-	20-99 em-	100 or more em- ployees	All em	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)	
Mississippi, total	2,263	1,591	472	200	91,373	238,090	466,846	39,175	77,353	302,268	
STANDARD METROPOLITAN AREA											
Jackson ¹	188	117	55	16	7,627	22,060	48,360	3,789	6,694	30,373	
COUNTIES											
Adams Alcorn Amite Attala Benton	47 35 26 35 5	27 19 22 29 3	13 10 4 4 2	7 6 2	3,997 1,978 301 884 (*)	14,947 4,134 602 2,514 (*)	49,922 6,177 1,246 4,749 (*)	1,782 307 45 315 (*)	2,819 1,205 687 1,643 (*)	9,106 4,453 1,935 6,413 (*)	
Bolivar Calhoun. Carroll. Chickasaw. Choctaw.	21 19 12 23 13	18 17 10 16 11	1 2 3 2	2 2 4	655 665 (*) 1,034	1,806 1,475 (*) 2,094 222	4,607 2,091 (*) 3,858 603	432 (*) (*) 97 (*)	271 744 (*) 557 366	1,373 2,165 (*) 1,093 920	
Claiborne. Clarke. Clay. Coahoma. Copiah.	19 23 25 29 45	14 19 17 12 35	3 1 4 14 8	2 3 4 3 2	774 1,231 1,749 1,016 1,365	1,652 2,510 4,408 3,017 2,382	2,531 4,090 8,138 6,258 4,724	(*) 105 262 365 298	137 1,561 740 560 1,345	437 3,271 1,995 3,165 3,275	
Covington. De Soto Forrest Franklin George.	11 4 70 22 11	9 4 51 20 8	1 13 2 3	1 6 	238 (*) 3,081 231 235	612 (*) 8,235 362 444	1,065 (*) 20,340 909 810	(*) (*) 769 98 (*)	258 (*) 2,826 607 108	440 (*) 16,489 1,712 184	
Greene Grenada Hancock Harrison Hinds	16 26 22 117 188	12 18 21 82 117	3 6 1 24 55	1 2 11 16	591 1,183 (*) 4,011 7,627	1,321 3,241 (*) 8,612 22,060	1,686 5,300 (*) 15,453 48,360	(*) 490 (*) 1,717 3,789	390 1,160 (*) 2,871 6,694	947 3,409 (*) _7,778 30,373	
Holmea. Humphreys. Iasaquena. Itavamba. Jackson.	29 11 1 20 45	25 8 1 10 29	3 3 7 11	1 3 5	412 146 (*) 879 (*)	836 315 (*) 1,408 (*)	1,403 522 (*) 2,147 (*)	29 (*) (*) 108 (*)	430 136 (*) 466 (*)	1,022 590 (*) 820 (*)	
Jasper Jefferson. Jefferson Davis Jonea Kemper	22 9 9 79 15	21 7 9 46 12	25 3	1 8	204 (*) (*) 6,078 184	635 (*) (*) 18,520 246	1,470 (*) (*) 38,530 388	83 (*) (*) 1,456 (*)	442 (*) (*) 6,528 522	1,834 (*) (*) 34,866 1,016	
Lafayette. Lamar Lauderdala Lavrence Leake.	7 22 112 10 26	3 17 69 7 25	4 3 33 2	2 10 1	142 482 4,515 490 356	256 934 11,593 857 632	652 1,415 18,999 1,130 1,050	(*) 119 1,386 (*) 35	81 233 4,321 391 141	190 510 18,235 735 292	
Lee. Leflore. Lincoln. Lowndee. Madison.	41 33 31 53 20	20 20 21 29 13	10 12 8 17 5	11 1 2 7 2	3,133 914 1,408 2,917 726	6,906 2,440 3,522 6,932 1,594	15,909 5,232 5,245 12,378 3,154	781 290 274 3,974 100	1,833 770 1,250 2,623 1,228	7,396 4,098 4,267 8,984 4,585	
Marion. Marshall. Monroe. Montgomery. Neshobs.	32 16 38 18 24	23 12 25 14 19	5 4 8 3 3	4 5 1 2	1,397 249 1,733 371 762	3,198 468 3,241 862 1,499	4,194 839 5,280 1,330 2,842	236 (*) 308 (*) 88	1,497 139 872 372 890	5,271 634 1,985 1,234 2,607	
Newton. Noxubae. Oktibbeha. Panola. Pearl River.	30 22 25 15 46	25 16 17 11 34	4 5 7 3 6	1 1 1 1 6	638 461 729 481 1,656	1,143 868 1,403 1,162 3,865	1,724 4,236 2,680 2,508 6,003	115 108 234 (*) (*)	916 210 852 583 965	2,834 525 4,340 1,482 4,587	

For footnotes, see end of table.

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Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued

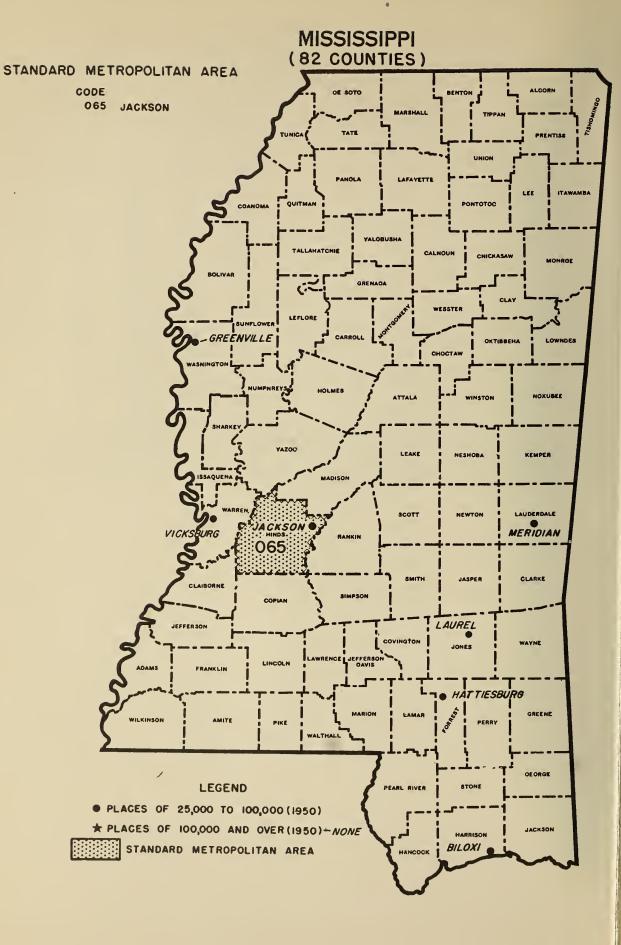
(See text for explanation of column captions)

	1954								1947	
Standard metropolitan area and county		Number of establishme with—		Ishments	ts All employees		Value	Capital	All	Value
	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
COUNTIESContinued										
Perry. Pike Pontotoc Prentiss Quitman.	13 49 10 16 8	9 36 6 11 5	·2 9 2 2 3	2 4 2 3	394 1,876 492 784 (*)	923 3,911 881 1,424 (*)	1,184 6,825 1,389 1,906 (*)	(*) 404 (*) (*)	180 1,488 219 577 (*)	731 5,301 640 713 (*)
Rankin Scott Sharkey Simpson Smith.	32 33 5 15 13	25 24 3 13	3 7 2 2 2	2	1,452 694 (*) 139 154	4,192 1,210 (*) 256 231	9,848 3,033 (*) 512 472	405 171 (*) (*) (*)	1,038 680 (*) 215 285	3,947 1,479 (*) 463 407
Stone. Sunflower. Tallahatchie. Tate. Tippah.	18 16 11 7 18	13 11 10 6 16	4 3 1 1	1 2 2	448 419 (*) 141 (*)	984 768 (*) 258 (*)	1,681 1,236 (*) 281 (*)	(*) (*) (*) (*)	404 160 (*) 22 (*)	833 707 (*) 85 (*)
Tishomingo. Tunica. Union. Walthall. Warren.	12 3 24 6 48	9 2 17 5 24	1 1 4 16	2 3 1 8	573 (*) 1,057 (*) 2,856	1,141 (*) 2,439 (*) 8,850	2,039 (*) 2,972 (*) 12,641	(*) (*) 106 (*) 3,102	128 (*) 462 (*) 2,415	257 (*) 1,210 (*) 9,683
Washington. Wayne. Webster. Wilkinson. Winston.	52 21 19 28 19	30 16 18 25 14	18 3 1 4	4 2 1 2 1	2,394 701 307 869 780	6,671 1,314 523 1,581 1,762	13,514 2,088 1,218 2,018 3,603	2,529 41 (*) 47 (*)	1,984 401 231 980 994	11,550 1,124 675 4,194 4,295
Yalobusha Yazoo	11 31	10 23		1 2	472 811	710 2,593	841 6,501	(*)	224 531	498 2,060

^{*}Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

¹The Jackson Standard Metropolitan Area consists of Hinds County, Mississippi. In addition to the employment and payroll totals for operating establishments, manufacturers¹ central administr⁵tive and auxiliary units in the Jackson Standard Metropolitan Area reported less than 50 employees with a payroll of less than \$500 thousand. Comparable data for 1947 are not available.



1954 Census of Manufactures

July 1956

Series:

MC-S24

MISSOURI

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

(dee text for expression of feems)									
Item	Unit of measure	1954	1947	Percent change 1947-1954					
Number of establishments, total	Number	6,233	5,721	+9					
1-19 employees		4,049 1,463 721	3,625 1,409 687	+12 +4 +5					
All employees ¹ Number Payroll	Thousands Million dollars	370.4 1,423.9	327.1 826.2	+13 +72					
Value added by manufacture	do	2,726.8 123.7	1,620.9 132.2	+68 -6					

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 14.0 thousand employees with a payroll of \$80.2 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.</u>.-This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

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Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

(COC CONT TO CAPITALIST OF COLUMN COPPLICATION)											
	9 1	1954								1947	
Ind. group code		Number of establishments Total with—			All employees 1		Vslue	Cspitsl		Vslue	
		number of estsb- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	sdded by manu- fscture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- fscture (\$1,000)
	All industries, total*	6,233	4,049	1,463	721	370,364	1,423,930	2,726,814	123,727	327,114	1,620,887
20	Food and kindred products ² Textile mill products Apparel and related products	1,085	698	267	120	54,837	220,353	460,009	28,234	50,771	331,642
22		35	14	11	10	3,164	9,126	15,926	489	2,888	9,972
23		532	193	237	102	35,417	90,711	148,461	2,652	37,174	129,167
24	Lumber and wood products ³ Furniture and fixtures Pulp, paper, and products	596	514	73	9	6,740	19,198	29,198	971	7,180	24,087
25		210	132	63	15	7,111	25,589	39,025	804	7,461	27,882
26		116	35	48	33	11,031	40,864	71,491	6,862	9,104	41,250
27	Printing and publishing	1,022	830	156	36	22,128	93,098	146,033	8,682	21,534	116,723
28		361	234	89	38	18,271	81,300	233,418	11,989	15,568	129,257
29		37	19	11	7	3,382	16,455	34,420	3,778	2,459	14,095
31	Leather and leather products	180	39	36	105	37,408	93,792	173,562	2,054	42,545	117,333
32	Stone, clay, and glass products	262	187	48	27	14,069	60,761	120,711	8,192	14,999	80,586
33	Primary metal industries	112	49	36	27	12,720	53,620	87,672	4,891	13,335	59,673
34	Fabricated metal products Machinery, except electrical Electrical machinery	516	330	126	60	24,567	103,573	177,641	8,792	22,665	112,329
35		515	374	100	41	24,353	105,040	179,050	6,964	24,267	126,977
36		117	57	29	31	22,699	95,205	158,309	7,454	17,212	84,580
37	Transportstion equipment Instruments and related products Miscellaneous manufactures4	107	60	21	26	46,084	214,319	490,040	14,979	23,594	155,566
38		75	48	20	7	3,132	12,662	23,019	747	2,899	12,816
39		321	211	85	25	21,728	83,229	127,578	5,065	8,435	32,608

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

**IOTALIS include data for industry groups and a smaller industry groups. Additional publishable detail vill appear in the final bulletin for unis State.

1 addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and suxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Missouri reported 13,951 employees with a total payroll of \$80,245 thousand. Comparable data for 1947 are not available.

2 The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

2 1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual States.

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EXPLANATION OF TERMS

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						1954		1947			
Ind.	Major industry	Total	Number	of estable with-	ishments	All emp	ployees 1	Vslue	Cspitsl	A11	Vslue
group	group	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Psyrol1 (\$1,000)	sdded by manu- fscture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	sdded by manu- fscture (\$1,000)
	All industries, total*	6,233	4,049	1,463	721	370,364	1,423,930	2,726,814	123,727	327,114	1,620,887
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26		116	35	48	33	11,031	40,864	71,491	6,862	9,104	41,250
27	Printing and publishing	1,022	830	156	36	22,128	93,098	146,033	8,682	21,534	116,723
28		361	234	89	38	18,271	81,300	233,418	11,989	15,568	129,257
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33	Primary metal industries	112	49	36	27	12,720	53,620	87,672	4,891	13,335	59,673
35	Fabricated metal products Machinery, except electrical Electrical machinery	516 515 117	330 374 57	126 100 29	60 41 31	24,567 24,353 22,699	103,573 105,040 95,205	177,641 179,050 158,309	8,792 6,964 7,454	22,665 24,267 17,212	112,329 126,977 84,580
37	Transportation equipment	107	60	21	26	46,084	214,319	490,040	14,979	23,594	155,566
38		75	48	20	7	3,132	12,662	23,019	747	2,899	12,816
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The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole, Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Savmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmillas were included in the Census. It is percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual States.

(Establishments classified as Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate

percent of total employment in Major Industry Group 24, "Dumber and seven in the longers and small mills for individual States."

'Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.

MISSOURI

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	1947	
Ind. group code	Major industry group	Total number of estab- lishments	Number 1-19 em- ployees	of establ with— 20-99 em- ployees	100 or more em- ployees	All em	Payroll	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value sdded by msnu- facture (\$1,000)	
			KANSAS CITY (MISSOURI)-KANSAS CITY (KANSAS) AREA ²									
	All industries, total*	1,525	967	406	152	113,052	490,416	1,021,546	45,423	78,686	469,807	
20 23 24 25 26 27 28	Food and kindred products ³ Apparel and related products. Lumber and wood products ⁴ Furniture and fixtures. Pulp, paper, and products. Printing and publishing. Chemicals and products.	197 142 44 62 38 272 127	99 56 30 44 7 215 83	57 65 12 16 19 46 36	41 21 2 2 12 11 8	18,780 8,559 980 1,447 3,484 7,014 9,158	78,315 27,240 3,835 5,432 13,920 27,768 40,355	153,450 39,401 6,371 10,625 26,036 48,459 99,592	8,255 1,522 78 198 1,251 6,149 3,733	20,930 8,254 1,137 1,296 2,676 6,995 4,592	126,242 30,929 5,349 6,024 18,567 41,543 61,095	
29 31 32 33 34 35 36	Petroleum and coal products Leather and leather products. Stone, clay, and glass products. Primary metal industries Fabricated metal products. Machinery, except electrical Electrical machinery	15 12 58 39 161 137 49	5 7 38 17 112 107 31	5 3 14 15 41 21 12	5 2 6 7 8 9 6	3,048 934 2,951 6,209 6,051 5,250 4,623	15,185 3,052 12,546 28,178 25,383 22,703 20,082	38,163 4,784 30,106 51,272 38,707 41,483 26,395	(*) (*) 3,144 3,151 1,851 1,680 1,268	2,864 792 1,945 5,760 7,044 3,616 1,031	18,682 2,535 7,824 24,961 33,296 22,764 4,551	
						ST.	LOUIS AREA ⁵					
	All industries, totsl*	3,152	1,905	806	441	254,669	1,069,539	2,057,093	131,181	244,481	1,295,842	
20 22 23 24 25 26	Food and kindred products ³ Textile mill products Apparel and related products Lumber and wood products ⁴ . Furniture and fixtures. Pulp, paper, and products	431 25 291 105 110 83	258 11 134 77 61 28	112 7 124 28 36 31	61 7 33 13 24	35,316 2,507 15,138 1,774 5,324 8,299	157,641 7,501 40,931 6,489 19,702 32,517	314,815 13,414 75,320 8,979 29,039 53,334	14,532 211 554 210 613 4,869	32,893 2,418 19,116 2,947 5,295 7,155	221,274 8,516 76,547 11,465 20,612 35,395	
27 28 29 30 31 32	Printing and publishing Chemicals and products Petroleum and coal products Rubber products Leather and lesther products Stone, clay, and glass products.	461 230 34 14 88 123	360 143 17 8 31 84	79 55 7 5 24 26	22 32 10 1 33 13	12,153 19,270 8,219 479 11,041 8,711	57,367 88,888 42,378 2,125 32,049 34,990	84,485 240,662 115,873 4,214 47,383 66,031	2,765 19,012 26,360 (*) 1,557 4,468	11,713 16,984 7,204 826 18,286 9,313	65,322 127,531 67,591 4,635 52,381 46,186	
33 34 35 36 37 39	Primary metal industries. Fabricated metal products. Machinery, except electrical Electrical machinery. Transportation equipment Miscellaneous manufactures ⁶ .	87 368 351 62 50 184	26 225 245 26 28 106	28 86 72 15 7 52	33 57 34 21 15 26	19,078 20,622 19,613 16,322 29,771 17,978	84,984 86,403 86,828 70,155 139,596 66,711	154,354 150,757 143,614 122,538 284,361 124,837	13,554 7,296 5,954 5,722 20,014 2,836	23,923 18,921 20,898 14,719 18,579 9,346	118,691 91,146 106,545 73,506 112,605 37,797	

*Totals include data for industry groups which have been withheld from publication in order to (s) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State

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In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, the employment and payroll figures for such central administrative offices and auxiliary units of manufacturers in each standard metropolitan ares are shown in the table below. Comparable data for 1947 are not svailable.

Standard metropolitan area	Employees (number)	Payrol1 (\$1,000)
Kansas City (Miasouri)-Kansas City (Kansas) St. Louis.		18,027 65,382

²The Kanaas City (Miaaouri)-Kansas City (Kansss) Standard Metropolitan Area consists of Clay and Jackson Counties, Missouri; Johnson and

The Annass City (Miasouri)-Kansas City (Kansss) Standard Metropolitan Area consists of Clay and Jackson Counties, Missouri; Johnson and Wyandotte Counties, Kansas.

3The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

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41954 Census totals for Major Industry Group 24, "Lumber and Wood Producta," see not strictly comparable with 1947 data. In 1947, Logging Campt and Contractora (Industry 2411) were not included in the Census; in siddition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and asymills were included in the Census. It is estimated that, for the United Statea as a whole, all loggers plus those milla producing less than 200,000 board feet account for sproximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small milla for individual standard metropolitan aresa.

The St. Louis Standard Metropolitan Area consists of St. Charles and St. Louis Counties and St. Louis City in Missouri; Madison and St. Clair Counties, in Illinois.

Counties in Illinois.

6Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories " (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.

MISSOURI 5

(See text for explanation of column captions)

### Author of architecture area and country ### Total research country ### Total res			1954							1947		
Petrology Petr			Number		iahmenta		nlosman					
Missourt, total.		number of		20-99	more			added by manu-	expendi- tures,	employeea,	added by manu-	
STRANDE PETDOPULITMA MARIAS Same of try (Intercury) - famous city (In	•	lishments	ployees									
Emiss city Missouri	Missouri, total	6,233	4,049	1,463	721	370,364	1,423,930	2,726,814	123,727	327,114	1,620,887	
Fig. 1.5 1.5	(Kanaas) area,total ² Portion in Missouri	1,252	794	345	113	76,316	322,894	639,535	34,674	57,186	332,050	
Pertical in Missourt	St. Joseph area ³	125	63	37	25	11,211	42,592	65,485	3,051	11,125	-	
Mailstr. Countries	Portion in Miasouri	2,698	1,628	701	369	198,932	823,344	1,572,190	61,996	185,201	972,325	
Adaltr.	Springfield:area4	180	127	32	21	6,670	20,639	44,588	6,205	5,295	18,506	
Andrew 2 2 2 (*) (451	3 - 53 -	2 220	(4)	400	2.005	
Authentian 33 20 6 7 3,439 12,739 22,315 1,999 3,919 14,129			2			(*)	(*)	(*)	(*)	(*)	(*)	
Bets	Audrain	33	20	6	7	3,439	12,759	22,315	1,099	3,919	14,129	
Benton												
December 13 28 13 2 1,107 3,807 6,891 385 1,122 4,662	Benton	6	5			(*)	(*)	(*)	(*)	(*)	(*)	
Butler	Boone			13								
Calabava												
Camedon 9 8 1 (w) (w) (w) (w) (w) (w) (w) (w) (a)	Caldwell	5	4	•••	1	(*)	(*)	(*)	(*)	(*)	(*)	
Cape												
Carter.	Cape Girardeau										11,868	
Cedar									(*)	(*)	(*)	
Chariton	Cass											
Clark						249	451	851			1,999	
Cole												
Cole	Clay	103	46	39	18	10,466						
Cooper										1	8,235	
Dade	Cooper	15			1		1,651				1,466 838	
Daviess.	Dade	6	5	1		(*)	(*)	(*)	(*)	(*)	(*)	
De Kalb.									, ,			
Douglas	De Kalb	5	5			(*)	(*)	(*)	(*)	(*)	(*)	
Franklin	Douglas	9	7	2		(*)	(*)	(*)	(*)	(*)	(*)	
Gasconade 12 8 1 3 1,323 3,256 7,540 (*) 1,463 4,601 Gentry 8 7 1 (*)							-	-				
Greene 180 127 32 21 6,670 20,639 44,588 6,205 5,295 18,506 Grundy 14 8 4 2 574 1,589 4,241 (*) 251 997 Harriaon 6 6 6 (*) (*) (*) (*) (*) (*) (*) (*) (*) (*)	Gaaconade	12	8	1	3	1,323	3,256	7,540	(*)	1,463	4,601	
Harriaon 6 6 6 (*) (*) (*) (*) (*) (*) (*) (*) (*) (*)					21	6,670	20,639	44,588	6,205	5,295	18,506	
Henry 25 18 5 2 916 2,120 4,298 102 788 3,089 H1ckory (*) (*) (*) (*) (*) (*) (*) (*) (*) (*)				4	2			4,241				
Howard						916	2,120	4,298	102	788	3,089	
Howard. 6 6 6 (*) (*) (*) (*) (*) (*) (*) (*) (*) (*)				1				(*)	(*)	(*)	(*)	
Iron. 20 19 1 103 213 315 5 163 487 Jackson. 1,149 748 306 95 65,850 276,875 537,379 31,309 49,946 279,899 Jasper. 145 82 42 21 7,484 25,209 44,205 3,240 5,500 25,216 Jefferson. 35 22 9 4 4,236 21,387 37,240 2,729 4,438 30,560 Johnson. 19 13 4 2 700 1,619 2,743 (*) 527 3,234 Knox. 3 2 1 (*)			6		•••			1				
Jackson. 1,149 748 306 95 65,850 276,875 537,379 31,309 49,946 279,899 Jaaper. 145 82 42 21 7,484 25,209 44,205 3,240 5,500 25,210 2,438 2,729 4,438 30,560									5	163	487	
Jefferson. 35 22 9 4 4,236 21,387 37,240 2,729 4,438 30,560 Johnson. 19 13 4 2 700 1,619 2,743 (*) 527 3,234 Knox. 3 2 1 (*)	Jackson	1,149			95				31,309 3,240	49,946		
Solution State S						4,236	21,387			4,438	30,560	
Laclede. 21 15 5 1 908 2,151 3,683 214 642 1,477 Lafayette. 24 18 4 2 784 1,781 3,236 150 918 2,912 Lawrence. 31 22 4 5 1,197 3,731 10,357 240 927 5,490 Levia. 10 8 1 1 243 651 938 (*) 273 955 Lincoln. 13 9 2 2 531 1,058 2,151 (*) 572 1,534 Linn. 18 13 3 2 734 1,833 3,655 (*) 738 2,635 Literace 18 13 5 1 50 1,268 1,961 (*) 626 2,729					1		1,619				(*)	
Lawrence 31 22 4 5 1,197 3,731 10,357 240 927 5,490 Levis 10 8 1 1 243 651 938 (*) 273 955 Lincoln 13 9 2 2 531 1,058 2,151 (*) 572 1,534 Linn 18 13 3 2 734 1,365 (*) 738 2,635 Line 18 13 5 1 540 1,268 1,961 (*) 626 2,729	Laclede	21	15	5] 1	908	2,151	3,683	214	642	1,477	
Lincoln. 13 9 2 2 531 1,058 2,151 (*) 572 1,534 Lincoln. 18 13 3 2 734 1,833 3,655 (*) 738 2,655 Lincoln. 19 13 5 1 540 1,268 1,961 (*) 626 2,729	Larayette										5,490	
Linn. 18 13 3 2 734 1,833 3,655 (*) 738 2,635												
Timpgeton 1 10 1 3 1 5 1 1 540 1 1.268 1 1.961 (*/) 020 2,729	Linn	18	13	3	2	734	1,833	3,655	(*)	738	2,635	
McDonald 10 8 2 (*) (*) (*) (*) (*)	Livingston	19 10	13						(*)		(*)	

For footnotes, see end of table.

MISSOURI

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued (See text for explanation of column captions)

(See text for explanation of column captions) 1954 1947											
		Number	of establ	1chmente	1954		-		19	47	
Standard metropolitan area and county	Total number of	1-19	with— 20-99	100 or		ployees	Value added by manu-	Capital expendi- tures,	All employees, number	Vslue added by manu-	
	estab- lishments	em- ployees	em- ployees	em- ployees	Number	(\$1,000)	facture (\$1,000)	new (\$1,000)		facture (\$1,000)	
COUNTIES—Continued											
Macon	11 13	8	2	1	418 (*)	794 (*)	1,219 (*)	(*) (*)	225 (*)	539 (*)	
Maries.	6	3	2	i	(*)	(*)	(*)	(*)	(*)	(*)	
Marion	41	25	11	5	2,579	7,165	12,979	238	2,976	9,566	
Mercer	1	1	•••	•••	(*)	(*)	(*)	(*)	(*)	(*)	
Miller	21 14	18 11	2 2	1	342 640	922 1,301	1,967 2,374	132 (*)	496 731	1,918 2,038	
Moniteau	ii	7	1	3	656	1,565	2,329	(*)	421	1,572	
Monroe	11	10	•••	1	(*)	(*)	(*)	(*)	(*)	(*)	
Montgomery	20	16	4	•••	291	818	1,252	98	223	994	
Morgan	14 15	10 8	2 5	2 2	(*) 714	(*) 1,940	(*) 2,466	(*) (*)	(*) 570	(*) 1,900	
Newton	26	13	11	2	974	2,581	6,015	189	610	2,557	
Nodaway	19 16	16 14	3	 1	218 195	576 328	1,047 532	(*) (*)	171 64	812 165	
Oregon.	17	12	4	1	330	630	821	(*) (*)	223	589	
Osage Ozark.	4	4		1.	(*)	(*)	(*)	(*)	(*)	289 (*)	
Pemiscot	23	17	4	2	828	1,893	4,334	94	754	2,390	
PerryPettis	16 32	14 14	"ii	2 7	(*) 2,140	(*) 6,516	(*) 11,415	(*) 510	(*) 1,723	(*) 6,335	
Phelps	20	14	3	3	815	2,010	4,332	91	820	2,675	
Pike	18	10	5	3	849	2,632	3,155	(*)	601	1,385	
Platte	11	9	2	•••	(*)	(*)	(*)	(*)	(*)	(*)	
Polk. Pulaski	15 13	13 10	2	2	119 458	279 906	1,012 2,177	(*) (*)	110 165	406 285	
Putnam	3	2	1		(*)	(*)	(*)	(*)	(*)	(*)	
Ralls	10	8	ī	1	(*)	(*)	(*)	(*)	(*)	(*)	
Randolph	30 8	22	4	4	1,596	3,807	6,864	160	1,169	5,636	
Ray Reynolds	21	7 21			(*)	(*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	
Ripley	19	19			(*)	(*)	(*)	(*)	(*)	(*)	
St. Charles	29	23	5	1	2,308	9,348	16,472	356	2,262	4,633	
St. Clair	4 47	4 37	•••		(*) 1,489	(*) 3,722	(*) 5,804	(*) 524	1,770	(*) 4,880	
St. Louis County	423	300	78	45	36,533	163,931	335,076	11,052	10,347	58,596	
St. Louis City 5	2,246	1,305	618	323	160,091	650,065	1,220,642	50,588	172,592	909,096	
Ste. Genevieve	20	14	3	3	1,337	4,266	8,116	558	1,006	5,107	
Saline	20	11	4	5	1,799	3,999 (*)	9,167 (*)	183 (*)	1,897 (*)	5,216 (*)	
Scotland	6	5	1		(*)	(*)	(*)	(*)	(*)	(*)	
Scott	32	19	7	6	2,100	5,308	9,999	490	1,788	5 ,7 01	
Sharmon	23 11	19 9	3 1	1	346 (*)	(*)	1,050 (*)	26 (*)	170 (*)	534 (*)	
ShelbyStoddard	28	21	3	4	1,204	2,605	4,648	59	978	2,567	
Stone	14	11	1	2	534	733	969	(*)	374	392	
Sullityan	5	4		1	(*)	(*)	(*)	(*)	(*)	(*)	
Taney Texas	18 29	15 23	2	1 4	215 945	333 1,886	484 4,578	(*) 314	89 380	22 7 789	
Vernon	15	11	3	1	255	626	1,063	(*)	172	504	
Warren	13	7	5	1	527	1,557	2,327	(*)	543	1,548	
Washington	10	9	•••	1	(*)	(*) (*)	(*) (*)	(*)	(*)	(*)	
Wayne Webster	19 11	19 9		• • •	(*) (*)	(*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	
Worth	1	1			(*)	(*)	(*)	(*)	(*)	(*)	
Wright	21	19	1	1	(*)	(*)	(*)	(*)	(*)	(*)	

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

1 In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and suxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard metropolitan area	Employees (mumber)	Payroll (\$1,000)
St. Joseph	50-100 10-20	

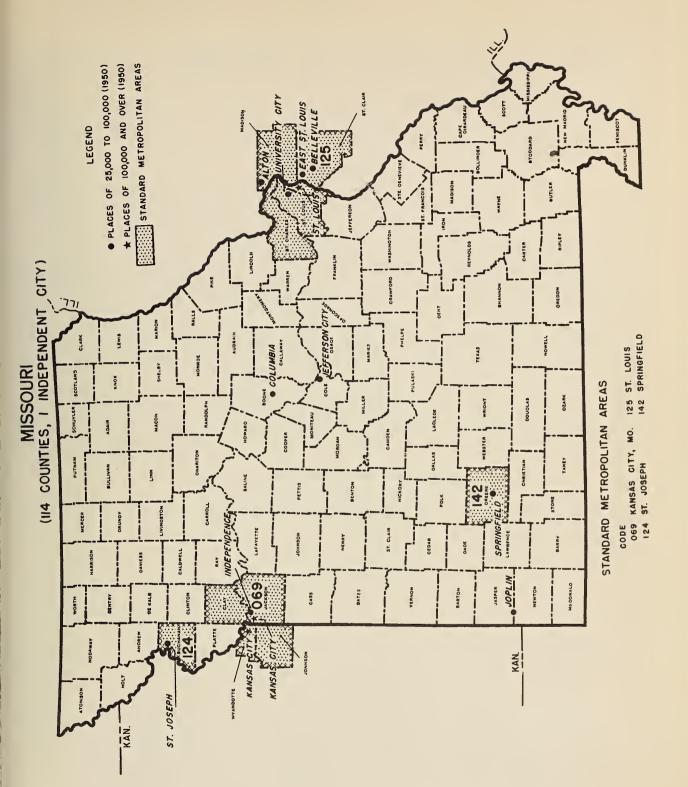
(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

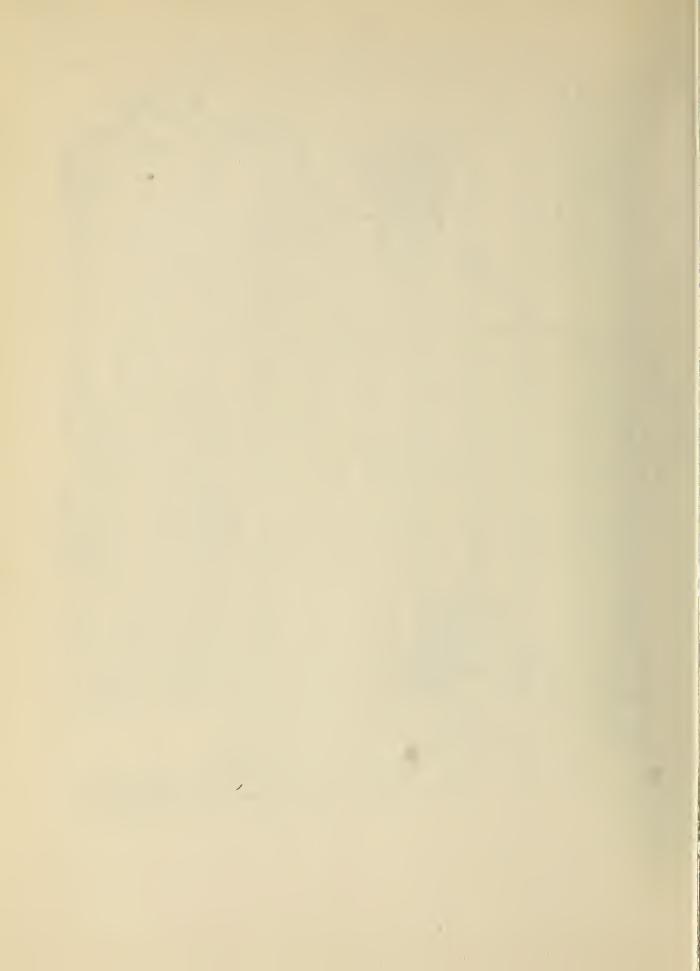
For definitions of standard metropolitan areas, and the central administrative office and auxiliary unit employment and payroll for these areas, see Table 3 footnotes.

The St. Joseph Standard Metropolitan Area consists of Buchanan County, Missouri.

The Springfield Standard Metropolitan Area consists of Greene County, Missouri.

Independent city.





1954 Census of Manufactures

August 1956

Series:

MC-S25

MONTANA

SUMMARY STATISTICS FOR THE STATE AND ITS COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	873	650	+34
1-19 employees	do	700 136	493 131	(1) +4
100 or more employees	do	37	26	+42
All employees ² Number	Thousands	18.9	15.8	+20
Payroll	Million dollars	73.2	42.8	+71
Value added by manufacture		141.2 20.6	90.8 7.4	+56 +178

¹See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 100-250 employees with a payroll of \$500 to 1,000 thousand in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

-											
						1954				19	number facture (\$1,000) 15,838 90,845 4,079 26,230 4,627 20,665 1,283 6,037 435 2,149 567 7,855 569 3,607 278 1,302
Ind.	Major industry	Tota1	Number (of establ with—	ishments	All emp	ployeesl	Value	Capital	A13	
group	group	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees,	manu- facture
	All industries, total*	873	700	136	37	18,899	73,152	141,222	20,582	15,838	90,845
20	Food and kindred products2	220	166	47	7	4,610	16,394	31,838	1,840	4,079	26,230
21	Tobacco manufactures		• • •			•••	•••	• • • •		•••	
22 24	Textile mill products Lumber and wood products ³		327	56	10	6,192	23,864	40,751	6,727		
27	Printing and publishing		80	16	4	1,533	6,313	9,912	299	1,283	6,037
28	Chemicals and products		8	1	3	837	3,662	5,833	(*)		
29	Petroleum and coal products		2	4	4	993	5,299	13,677	(*)	567	,
30	Rubber products	•••	• • • •	•••	• • • •	• • • •	•••	•••	•••	• • • •	
32 34	Stone, clay, and glass products Fabricated metal products	26	24 23	3 3	2	499 200	1,947 795	5,937 1,137	242 205	278	1,302
35	Machinery, except electrical		18	2		129	473	775	162	107	321
36 39	Electrical machinery Miscellaneous manufactures4		22	:::	:::	139	495	785	20	121	523

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual comanies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Montana reported 100 to 250 employees with a total payroll of \$500 to 1,000 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance

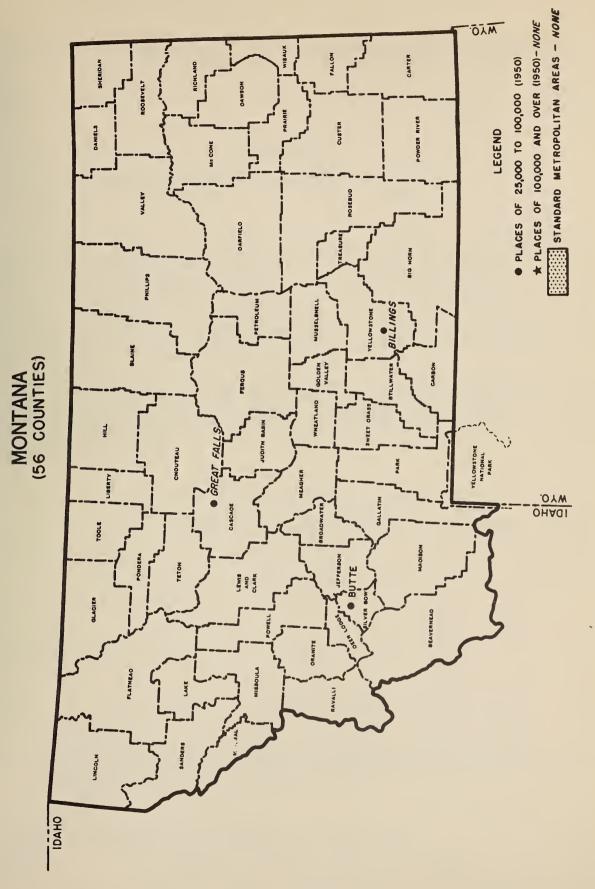
MONTANA

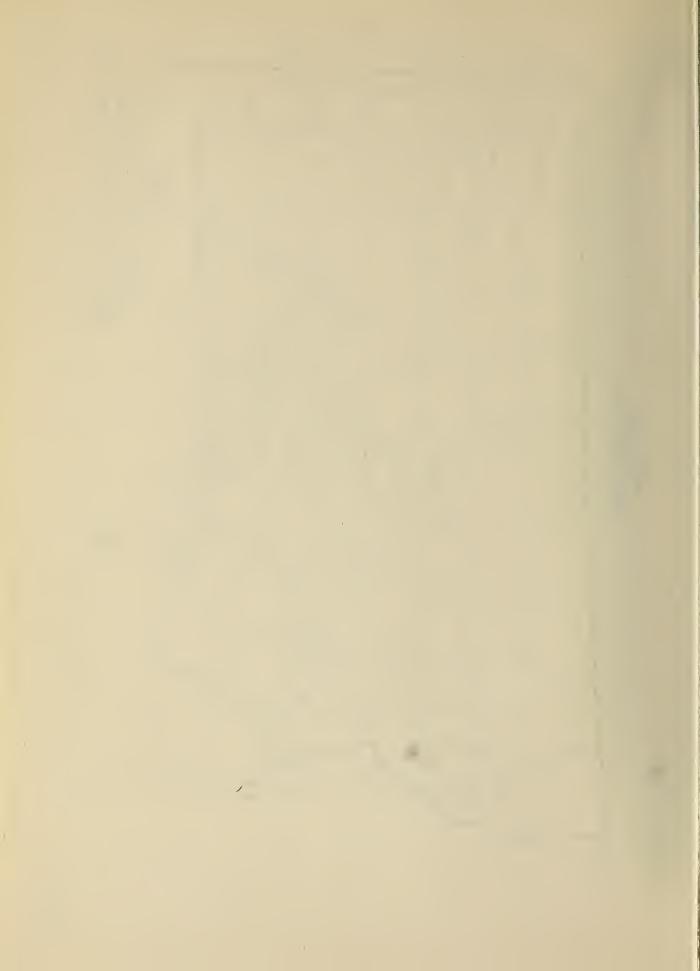
Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

-	(See text for explanation of column captions)								1947	
		Number	of establ	ishments		ployees			1/	
Standard metropolitan area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)
Montana, total	873	700	136	37	18,899	73,152	141,222	20,582	15,838	90,845
STANDARD METROPOLITAN AREAS (None in the State)										
COUNTIES										
Beaverhead. Big Horn. Blaine Broadwater. Carbon.	8 6 3 6 10	8 4 2 6 10	1 1 	 	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)
Carter Cascade. Chouteau Custer. Daniels.	3 56 4 11	3 36 4 10	15 1	 5 	(*) 3,037 (*) (*) (*)	(*) 11,604 (*) (*) (*)	(*) 27,008 (*) (*) (*)	(*) (*) (*) (*)	(*) 2,736 (*) (*) (*)	(*) 15,792 (*) (*) (*)
Dawson Deer Lodge Fallon Fergus. Flathead	8 14 3 18 120	7 7 3 14 96	1 2 3 22	 5 2	(*) (*) (*) 274 1,349	(*) (*) (*) 994 4, 879	(*) (*) (*) 2,539 8,394	(*) (*) (*) (*) 1,276	(*) (*) (*) 331 1,538	(*) (*) (*) 2,074 6,985
Gallatin. Garfield. Glacier. Golden Valley. Cranite.	43 1 6 13	34 1 5 	8 1 	1 	666 (*) (*) 	2,330 (*) (*) (*)	6,301 (*) (*) (*)	406 (*) (*) (*)	491 (*) (*) (*)	3,288 (*) (*) (*)
Hill. Jefferson. Judith Basin. Lake. Levis and Clark.	13 5 2 24 37	10 5 1 21 28	3 1 3 8	 	146 (*) (*) 196 757	525 (*) (*) 583 3,002	1,050 (*) (*) 975 5,831	(*) (*) (*) 362 184	111 (*) (*) 350 879	483 (*) (*) 1,286 4,701
Liberty. Lincoln. McCone. Madison. Meagher.	1 72 1 6 10	1 65 1 6 10	6	 1 	(*) 1,417 (*) (*) (*)	(*) 5,873 (*) (*) (*)	(*) 11,507 (*) (*) (*)	(*) (*) (*) (*) (*)	(*) 733 (*) (*) (*)	(*) 4,086 (*) (*) (*)
Mineral. Missoula Musselshell Park. Petroleum.	6 79 6 19	2 59 6 17	3 15 1	1 5 	(*) 2,273 (*) 269	(*) 9,277 (*) 963	(*) 15,774 (*) 1,285	(*) (*) (*) (*)	(*) 1,800 (*) 95	(*) 8,416 (*) 372
Phillips. Pondera. Powder River. Powell. Prairie.	2 3 2 14	2 3 2 14			(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*) (*)
Ravalli. Richland. Roosevelt. Roacbud. Sanders.	24 7 4 4 28	20 6 4 4 20		 1 2	314 207 (*) (*) 555	1,090 809 (*) (*) 1,952	2,231 1,888 (*) (*) 3,496	301 (*) (*) (*) 644	298 238 (*) (*)	1,201 1,456 (*) (*) 2,227
Sheridan. Silver Bow. Stillwater Sweet Grass Teton.	3 49 5 7 6	3 35 5 7 6	ii :::	3	(*) 1,178 (*) (*)	(*) 4,628 (*) (*)	(*) 7,968 (*) (*)	(*) 836 (*) (*) (*)	(*) 734 (*) (*) (*)	(*) 3,848 (*) (*) (*)
Toole. Treasure Valley Whea tland Wibaux	7 1 4 2	5 1 3 1	1 1 1	1	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) • (*) (*) (*)	(*) (*) (*) (*)
Yellowstone	84	62	16		2,410	10,359	22,058	(*)	1,822	14,043

^{*}Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.
...Represents zero.





1954 Census of Manufactures

July 1956

Series:

MC-S26

NEBRASKA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.—GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

(Dee next Tot	explanation of 10	сщо /		
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	1,438	1,341	+7
1-19 employees	do	1,063	990	+7
20-99 employees		275 100	262 89	+5 +12
All employees ¹				
Number	Thousands	56.9	47.0	+21
Payroll	Million dollars	213.7	119.9	+78
Value added by manufacture	do	400.3	260.6	+54
Capital expenditures, new	do	36.1	18.4	+96

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 3.3 thousand employees with a payroll of \$13.9 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

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Value added by manufacture. This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

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NEBRASKA

Table 2. - CENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

			1954							1947	
Ind.		Total	Number	of establ with—	ishments	All em	ployees ¹	Value	Cspitsl	411	Vslue
group	GTOUD.	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	sdded by msnu- fscture (\$1,000)	expendi- tures, new (\$1,000)	A11 employees, number 4 47,014 5 25,154 4 1,224 9 501 1 966 8 1,456 7 99 2,547 9 2,196 6 1,584	sdded by manu- fscture (\$1,000)
	122 () 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 (22	3.000	000	3.00	F4 000		(88.005	04 004	/m 02/	040 500
	All industries, total*	1,438	1,063	275	100	56,923	213,671	400,295	36,074	47,014	260,598
20	Food and kindred products2	485	325	109	51	27,770	107,825	204,118	11,105	25,154	156,216
23	Apparel and related products	35	19	13	3	1,493	3,502	6,723	124	1,224	4,167
24	Lumber and wood products3	44	30	13	1	1,055	3,469	4,697	89	501	1,439
25	Furniture and fixtures	42	33	7	2	1,025	3,793	6,467	151	962	3,886
27	Printing and publishing	362	324	31	7	4,719	17,900	32,130	1,559	4,049	21,445
28	Chemicals and products	72	50	20	2	1,659	6,524	14,877	15,228	1,456	10,926
32 34	Stone, clay, and glass products	54 78	38 60	13 10	3 8	1,355	4,955	15,168	907		5,632
24	Fabricated metal products	70	60	10	0	2,652	10,653	17,345	2,525	1,457	7,498
35	Machinery, except electrical	103	74	23	6	3,274	12,230	21,048	1,479	2,547	10,462
36	Electrical machinery	15	8	3	4	2,233	7,609	18,015	(*)	2,196	10,698
37	Transportation equipment	21	13	5	3	1,255	4,802	7,129	276	1,584	6,074
39	Miscellaneous manufactures4	70	53	12	5	5,934	21,155	33,672	984	1,199	4,266

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

panies or (b) permit further checking of data for smaller industry groups. Additional publishable detail vill appear in the final variation of the reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Nebraska reported 3,294 employees with a total payroll of \$13,919 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Gensus. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and smal

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.) (Establishments which

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

	(See text for explanation of column esptions) 1954								1947		
Standard metropolitan		Number	of establ	ishments	All emp	ployees	Value	Cspital	422	Vslue	
area and county	Total number of estsb- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- fscture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by msnu- fscture (\$1,000)	
										-	
Nebraska, total	1,438	1,063	275	100	56,923	213,671	400,295	36,074	47,014	260,598	
STANDARD METROPOLITAN AREAS¹	1/1	101	26	17	0 475	22 220	62 990	2 02/	E 500	27 (20	
Lincoln ² Omahs ³	141 562	377	26 132	14 53	8,675 30,485	32,330 121,743	63,880	2,934 25,436	7,522 27,526	34,637 167,057	
Portion in Nebraska	485 77	315 62	120 12	50 3	28,867	116,392	210,214	24,923 513	25,955 1,571	160,239 6,818	
COUNTIES											
AdamsAntelope	37 8	23 8	12	2	1,071 (*)	3,926 (*)	7,946 (*)	368 (*)	950 (*)	3,886 (*)	
Arthur. Banner.	1		1		(*)	(*)	(*)	(*)	(*)	(*)	
Blaine	•••		•••		(*)	(*)	(*)	(*)	(*)	(*)	
Boone	5 13	5 10			(*) 385	(*) 985	(*) 1,567	(*) (*)	(*) 152	(*) 575	
Boyd	2	2	•••	•••	(*) (*)	(*)	(*) (*)	(*)	(*) (*)	(*) (*)	
BrownBuffalo	5 25	5 19	6		421	(*) 1,176	1,932	(*) 169	256	1,041	
Burt	8 5	8 5			(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) · (*)	
Cass	5	3	ı	ı	(*)	(*)	(*)	(*)	(*)	(*)	
CedarChsse	7 6	· 6	•••		(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	
Cherry	4	4			(*)	(*)	(*)	(*)	(*)	(*)	
Cheyenne	6 5	6 5	•••	•••	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) . (*)	
Colfax	12 10	12 9	1		(*) 133	(*) 371	(*) 685	(*) (*)	(*) 94	(*) 270	
Custer.	16	16			(*)	. (*)	(*) 576	(*) (*)	(*) 50	(*) 215	
Dakota	8 11	6 10	2		108	362 (*)	(*)	(*)	' (*)	. (*)	
Dawson Deuel	35 3	23 3	12		592 (*)	2,244	4,815 (*)	(*) (*)	511 (*)	3,342 (*)	
Dixon	5	4	1		(*)	(*)	(*)	(*)	(*)	(*)	
Douglas	45 476	35 310	8 117	2 49	1,600 28,401	6,354 114,485	8,903 208,083	597 11,025	655 25,887	3,420 159,758	
DundyFillmore	2 9	. 9	•••	•••	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	
Franklin	1	1			(*)	(*)	(*)	(*)	(*)	(*)	
Frontier	2 7	2 5	₁	i	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	
Gage	25 2	16 2			1,217	4,342 (*)	8,222 (*)	341 (*)	1,349	5,248 (*)	
Garfield	3	3	•••		(*)	(*)	(*)	(*)	(*)	(*)	
GosperGrant			•••		(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	
Greeley	5 49	5 35	11	···	(*) 2,275	(*) 8,253	(*) 10,794	(*) 745	(*) 810	(*) 4 , 915	
Hemilton	4	3	1		(*)	(*)	(*)	(*)	(*)	(*)	
Harlan Hsyes	4	3	1		(*)	(*)	(*)	(*)	(*)	(*)	
Hitchcock	5 11	5 11	•••	•••	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	
Hooker	1	1			(*)	(*)	(*)	(*)	(*)	(*)	
Howard	2 16	2 11			(*) 360	(*) 1,006	(*) 2,005	(*) (*)	(*) 296	(*) 1,387	
Johnson. Kearney.	7 7	6		1	(*) (*)	(*) (*)	(*) (*)	(*) . (*)	(*) (*)	(*) (*)	
Keith	6	5	•••	1	(*)	(*)	(*)	(*)	(*)	(*)	
Keya Pahs	2	2	•••	•••	(*)	(*)	(*) (*)	(*) (*)	(*)	(*) (*)	
Kimbs11	4 9	4 9	•••	•••	(*) (*)	(*) (*)	(*)	(*)	(*) (*)	(*)	
Lancaster		101	26	14	8,675	32,330	63,880	2,934	7,522	34,637	
Lincoln	22	17	5	•••	369	1,353	2,241	178	379 •••.	1,244	
Loup				•••		•••	•••	•••	:::	•••	
Madison	29	22	6	1	552	1,733	3,506	130	420	1,480	

For footnotes, see end of table.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

			1947							
Standard metropolitan area and county	Total number of estab- lishments	1-19 em-	of establ with— 20-99 em- ployees	100 or more em- ployees	All em	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by menu- facture (\$1,000)
COUNTIESContinued										
Merrick. Morrill. Nance Nemaha Nuckolls.	8 6 3 8 10	7 5 3 6 7	1 1 2	1 1	109 (*) (*) 218 346	214 (*) (*) 516 1,122	314 (*) (*) 918 3,296	(*) (*) (*) (*)	114 (*) (*) 55 337	447 (*) (*) 492 1,913
Otoe. Pawmee. Perkins. Phelps. Pierce.	20 2 2 11 9	11 2 2 8 9	7 3	2	767 (*) (*) 179 (*)	2,159 (*) (*) 497 (*)	3,905 (*) (*) 1,032 (*)	568 (*) (*) (*) (*)	539 (*) (*) 170 (*)	2,205 (*) (*) 616 (*)
Platte. Polk. Red Willow. Richardson. Rock.	34 4 12 13 1	22 4 8 11 1	9 4 2	3	1,011 (*) 201 217 (*)	3,323 (*) 731 577 (*)	5,285 (*) 1,546 1,666 (*)	285 (*) (*) (*) (*)	415 (*) 134 257 (*)	1,745 (*) 664 1,109 (*)
Saline. Sarpy. Saunders Scotts Bluff. Seward.	11 9 11 46 10	7 5 8 33 8	1 3 2 9 1	3 1 1 4 1	(*) 466 1,398 1,259 (*)	(*) 1,907 5,328 4,756 (*)	(*) 2,131 9,954 11,228 (*)	(*) (*) (*) 795 (*)	(*) 68 203 1,207 (*)	(*) 481 993 9,318 (*)
Sheridan Sherman Sioux Stanton Thayer	10 4 2 3 10	10 4 2 3 9	:::	····	(*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*)
Thomas. Thurston. Valley. Wasbington. Wayne.	7 7 12 3	6 6 10 2	1 1 1 1	1	(*) (*) 407 (*)	(*) (*) 1,477 (*)	(*) (*) 2,026 (*)	(*) (*) (*) (*)	(*) (*) 138 (*)	(*) (*) 586 (*)
Webster. Wheeler. York.	2 10	2	 1		(*) ··· (*)	(*) (*)	(*) (*)	(*) (*)	(*)	(*) (*)

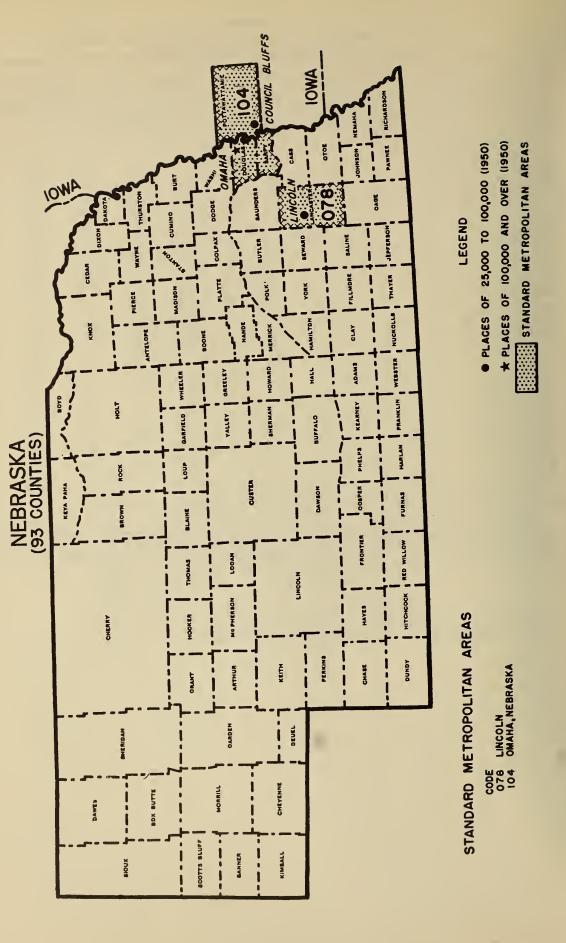
*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

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In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage varebouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, the employment and payroli figures for such central administrative offices and auxiliary units of manufacturers in each standard metropolitan are are shown in the table below. Comparable data for 1947 are not available.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Lincoln		12,670

²The Lincoln Standard Metropolitan Area consists of Lancaster County, Nebraska.
³The Omaha Standard Metropolitan Area consists of Douglas and Sarpy Counties, Nebraska; Pottawattamie County, Iowa.



1954 Census of Manufactures

June 1956

Series:

MC-S27

NEVADA

SUMMARY STATISTICS FOR THE STATE AND ITS COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

(See Self for Corp. Comp.)												
Item	Unit of measure	1954	1947	Percent change 1947-1954								
Number of establishments, total	Number	181	126	+44								
1-19 employees		140 28 13	93 28 5	+51 +160								
All employees ¹ Number Payroll	Thousands	6.0 26.8	2.7 8.4	+122 +219								
Value added by manufacture	do	59.6 5.7	17.3 3.0	+245 +90								

¹Employees of operating manufacturing establishments only; there were no separate central administrative offices or auxiliary units of manufacturing companies located in this State.



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

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NEVADA

Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

		1954									47
Ind.		Total	Number of establishmenta with—		All employees1		Value	Capital	A11	Value	
group	group	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- turea, new (\$1,000)	employees, number	added by manu- fscture (\$1,000)
	All industries, total*	181	140	28	13	6,046	26,797	59,581	5 , 673	2,667	17,286
20	Food and kindred products2		44	13		826	3,171	7,484	748	635	3,309
27	Printing and publishing		30	2	2	634	2,628	4,847	199		2,352
32	Stone, clay, and glass products	17	8	6	3	893	4,225	9,114	(*)	407	2,942

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

...Represents zero.

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Example of the state of the sta

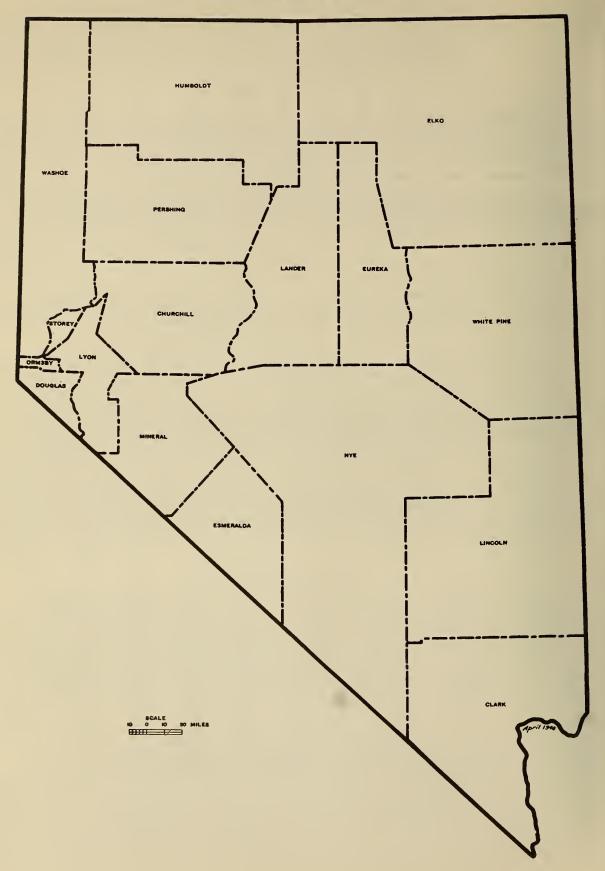
Table 3.--GENERAL STATISTICS FOR STANDARD METROPULITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(The State of Nevada contains no standard metropolitan areas.)

Table 4. —GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)												
					1954				19	47		
Standard metropolitan	Total	Number	of establ	ishments	All employees		Value	Capital	A11	Value		
area and county	number of estab-	em-	20-99 em-	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture		
	lishments	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)		
Nevada, total*	181	140	28	13	6,046	26,797	59,581	5,673	2,667	17,286		
STANDARD METHOPOLITAN AREAS (None in the State)												
COUNTIES												
Churchill	10 59	10 38	14		(*) 3,437	(*) 15,346	(*) 36,352	(*) 4,499	(*) 915	(*) 6,616		
DouglasElko	5	4 9	1		(*) (*)	(*) (*)	(+) (+)	(×)	(x) (h)	(*) (*)		
Esmeralda					·	•••	·	·	·	•••		
Eureka Humboldt.	2				(*)	(*)	··· (*)	(×)	(*)	(h)		
Lander. Lincoln.	₁			•••	(*)	(*)	(*)	(*)	(*)	(*)		
Lyon	2	1	1	•••	(*)	(*)	(*)	(*)	(+)	(*)		
Mineral Nye	1 4	1 3		₁	(*) (*)	(*) (*)	(*)	(*)	(*) (*)	(*) (*)		
Ormsby Pershing	J. 3	1 3	:::	•••	(*) (*)	(*)	(*) (*)	(*) (*)	(*)	(*)		
Storey	1 79	1 64	 11	٠	(×) 1,715	(*) 7,727	(*) 14,269	(×) 785	(*) 1,202	(*) 6,015		
White Pine.	4.	2	1	ĭ	(*)	(*)	(×)	(*)	(*)	(*)		

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.



1954 Census of Manufactures

July 1956 Series: MC-S28

NEW HAMPSHIRE

SUMMARY STATISTICS FOR THE STATE, ITS METROPOLITAN STATE ECONOMIC AREA, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

	<u> </u>			
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	1,612	1,124	+43
1-19 employees	dodododo.	1,121 307 184	646 286 192	(¹) +7 -4
All employees ² Number	Thousands	75.8	74.8	+1
Payroll	Million dollars	241.1	177.5	+36
Value added by manufacture		401.9 19.3	306.9 24.0	+31

¹See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 1.8 thousand employees with a payroll of \$10.8 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

Payroll.--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

						1954				19	47
Ind.	Major industry	Total	Number	of establ with—	ishments	All employees 1		Value	Capital	A11	Value
group	0 1	number of estab- lishments	1-19 em- ployeea	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- turea, new (\$1,000)	employeea, number	added by manu- facture (\$1,000)
	All industries, total*	1,612	1,121	307	184	75,818	241,103	401,856	19,290	74,752	306,932
20 22 23 24 25	Food and kindred products ²	191 109 39 602 48	153 28 22 535 30	35 40 14 58 12	3 41 3 9 6	2,816 12,670 1,147 6,367 1,873	9,267 40,293 2,668 16,773 6,228	17,478 62,635 3,749 24,237 9,603	1,377 1,981 43 1,983 239	1,868 20,310 2,385 6,459 1,360	85,099 8,811
26 27 28 31 32	Pulp, paper, and products Printing and publishing. Chemicals and products Leather and leather products Stone, clay, and glass products	44 117 24 124 43	11 94 18 31 29	21 18 5 35 10	12 5 1 58 4	5,921 3,139 366 21,115 1,609	23,487 11,866 1,460 58,132 5,628	44,279 19,115 2,872 86,581 9,945	3,697 497 125 1,032 521	5,759 2,345 498 20,070 1,048	10,960 2,801
33 34 35 38 39	Primary metal products	18 52 92 9 44	10 30 70 7 25	5 20 9 1 15	3 2 13 1 4	586 1,819 6,316 238 2,040	2,145 6,410 25,531 781 5,298	3,321 11,893 45,495 1,149 7,487	(*) 429 3,162 (*) 235	636 1,562 6,234 539 1,739	2,566 6,842 32,209 1,635 5,573

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliars were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of New Hampshire reported 1,831 employees with a total payroll of \$10,817 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual States.

⁴Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3.--GENERAL STATISTICS FOR METROPOLITAN STATE ECONOMIC AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(The State of New Hampshire contains no metropolitan state economic areas with 40,000 or more manufacturing employees.)

Table 4.--GENERAL STATISTICS FOR NETROPOLITAN STATE ECONOMIC AREAS AND COUNTIES: 1954 AND 1947

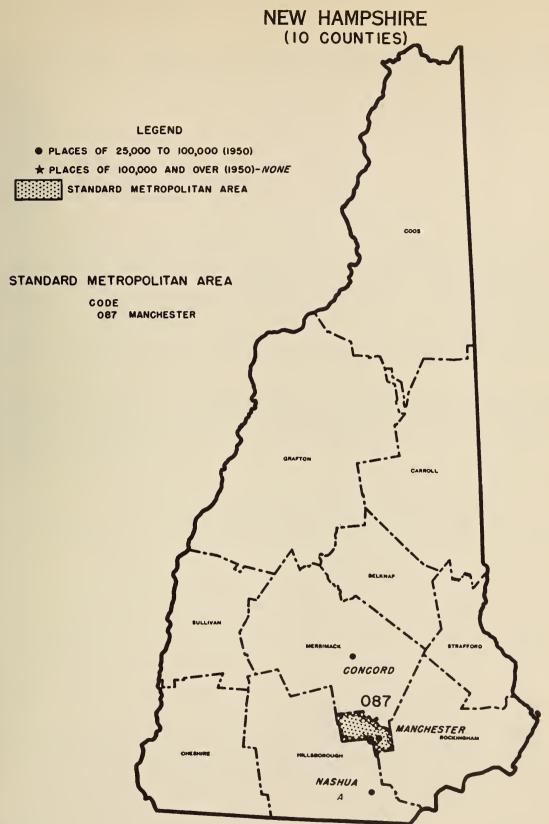
(See text for explanation of column captions)												
					1954				1947			
Standard metropolitan		Number of establishments with—			All employees		Value	Capital	All	Value		
area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)		
New Hampshire, total	1,612	1,121	307	184	75,818	241,103	401,856	19,290	74,752	306,932		
METROPOLITAN STATE ECONOMIC AREA ¹												
Manchester area, total ²	451	263	114	74	30,461	96,254	158,297	7,110	31,845	132,176		
COUNTIES												
BelknapCarroll	95 93	68 86	18 7	9	3,849 (*)	12,358 (*)	21,377 (*)	859 (*)	4,627 (*)	19,186 (*)		
Cheshire	150 111 148	103 81 115	28 15 22	19 15 11	5,867 (*) 3,812	20,203 (*) 11,523	34,721 (*) 17,482	1,278 (*) 611	5,566 (*) 4,093	24,001 (*) 15,932		
Hillsborough Merrimack Rockingham Strafford Strafford	451 190 166 135 73	263 135 125 91 54	114 43 26 24 10	74 12 15 20 9	30,461 5,648 5,953 10,660 3,448	96,254 18,004 17,754 33,324 11,037	158,297 26,458 28,703 59,858 18,558	7,110 1,184 2,418 1,576 789	31,845 6,354 4,235 9,481 3,933	132,176 26,135 13,119 37,603 17,293		

^{*}Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

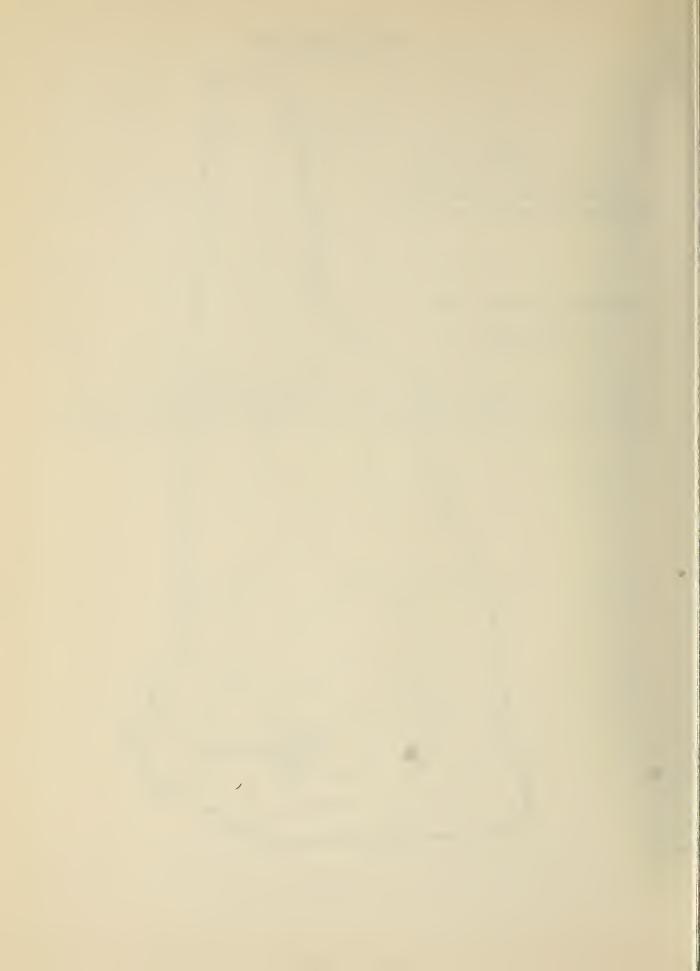
¹In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for the Manchester Metropolitan State Economic Area are 1-5 employees with payrolls of between \$20,000-\$50,000.

Comparable figures are not available for 1947. (For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

¹The Manchester Metropolitan State Economic Area consisting of Hillsborough County, New Hampshire is a whole county approximation to the Manchester Standard Metropolitan Area which is defined on a city-and-town basis. (See the discussion on New England SMA's in the "Standard Metropolitan Areas" section of the release text.)



COMM-DC



1954 Census of Manufactures

June 1956

Series:

MC-S29

NEW JERSEY

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954								
Number of establishments, total	Number	13,244	10,765	+23								
1-19 employees	dododododododo.	8,513 3,360 1,371	6,561 2,923 1,281	+30 +15 +7								
All employees ¹ Number	Thousands	784.2	739.0	+6								
Value added by manufacture	Million dollars	3,334.5 6,266.7 364.2	2,216.9 4,186.1 304.0	+50 +50 +20								

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 22 thousand employees with a payroll of \$133 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				1947	
Ind.	Major industry	Total	Number	of eatabl with—	iahmenta	All employees 1		Value	Capital	477	Value
group	(moun	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
	All industries, total*	13,244	8,513	3,360	1,371	784,188	3,334,477	6,266,655	364,235	739,035	4,186,077
20 21 22 23 24	Food and kindred products ²	1,257 13 789 2,471 343	884 4 434 1,402 279	262 1 250 913 55	111 8 105 156 9	61,134 3,856 44,761 78,115 5,196	260,214 10,590 172,698 214,360 17,853	646,078 32,994 273,057 325,505 28,278	27,975 (*) 10,778 4,783 (*)	5,337 62,804	354,821 29,829 323,657 256,395 23,267
25 26 27 28 29	Furniture and fixtures Pulp, paper, and products. Printing and publishing. Chemicals and products. Petroleum and coal products.	372 312 1,060 878 72	285 126 882 496 37	76 107 136 233 17	11 79 42 149 18	8,558 25,563 24,873 81,661 17,235	32,764 113,196 113,545 399,783 92,629	56,322 206,992 177,081 1,090,959 149,407	1,291 14,463 8,561 87,748 55,913	7,516 21,416 20,152 82,221 16,179	35,740 155,605 109,228 743,342 212,732
30 31 32 33 34	Rubber products	100 206 479 312 1,303	43 102 303 150 918	26 67 115 95 288	31 37 61 67 97	13,693 10,920 31,149 36,122 52,306	56,909 35,269 125,646 164,063 231,321	93,609 54,919 225,541 287,136 427,158	3,275 1,054 21,386 17,456 22,490	16,884 10,185 28,275 38,802 42,876	82,060 50,760 142,554 216,426 216,416
35 36 37 38 39	Machinery, except electrical Electrical machinery Transportation equipment. Instruments and related products Miscellaneous manufactures4	1,432 538 219 194 894	1,069 268 127 128 576	261 142 46 40 230	102 128 46 26 88	67,742 100,600 56,742 24,708 39,245	320,123 432,203 273,425 118,553 149,323	521,984 749,202 497,027 180,932 242,467	27,243 30,606 8,221 10,099 9,398	65,990 94,129 44,300 17,741 41,709	334,338 393,992 221,997 80,968 201,950

*The sum of industry group figures may not equal the "All industries" total due to independent rounding of detail and total figures.

'In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shope), which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment the state of New Jersey reported 22,162 employees with a total payroll of \$132,764 thousand. Comparable data for 1947 are not available.

'The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

'Includes Products of the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and samilla for individual States.

'Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which

Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

	<u> </u>	1954 1947												
			Number	of establi	shments		. , ,			194				
Ind. group code		Total number of	1-19	with— 20-99	100 or		oloyees 1	Value added by manu-	Capital expendi- tures,	All employees, number	Value added by manu-			
		estab- lishments	em- ployees	em- ployees	em- ployees	Number	Payroll (\$1,000)	fscture (\$1,000)	new (\$1,000)	imber	(\$1,000)			
						ALLENTOWN-BE	ethlehem-eas:	TON AREA						
		Warren o	county in	New Jerse	ey) appear	in Table 4.	thlehem-Easto Industry port for the	group statia	stics for t	Area (which his area are MC-S37.7	includes shown in			
			NEW YORK-NORTHEASTERN NEW JERSEY AREA ²											
	All industries, total ³	51,628	36,071	12,912	2,645	1,739,552	7,104,864	13,073,647	450,410	1,598,662	9,310,900			
20 21 22 23 24	Food and kindred products ⁴ Tobacco manufactures Textile mill products Apparel and related products Lumber and wood products ⁵	2,535 107 2,132 17,447 845	1,774 93 1,365 11,282 709	501 8 637 5,701 125	260 6 130 464 11	131,521 3,386 71,181 394,416 10,570	577,044 9,564 267,000 1,241,896 38,844	1,309,511 31,286 453,651 2,037,853 61,896	50,086 583 15,408 18,443 1,455	5,353 87,506 387,395	865,940 29,878 451,732 2,037,614 45,834			
25 26 27 28 29	Furniture and fixtures Pulp, paper, and products Printing and publishing Chemicals and products Petroleum and coal products	1,851 967 5,563 1,848 109	1,481 513 4,386 1,268 66	337 319 929 401 25	33 135 248 179 18	30,941 50,023 162,306 103,103 14,482	118,776 210,235 801,998 481,705 78,213	197,972 373,650 1,520,934 1,370,633 131,518	4,600 19,718 33,495 65,370 45,949	157,404 102,086	139,591 272,369 1,085,833 951,221 210,035			
31 32	Rubber products Lesther and leather products Stone, clay, and glass products Primary metal industries Fabricated metal products	149 1,511 890 510 3,756	97 1,017 678 289 2,781	32 392 172 145 790	20 102 40 76 185	11,325 42,217 24,017 39,346 99,170	46,619 131,462 98,739 178,049 420,475	78,316 204,539 184,696 319,968 719,739	2,780 2,571 13,250 20,992 31,072	42,792 20,909	66,992 205,792 117,357 226,590 434,283			
37 38	Machinery, except electrical Electrical machinery Transportation equipment Instruments and related products. Miscellaneous manufactures ⁶	2,817 1,322 469 885 5,915	2,199 730 271 652 4,420	489 371 121 161 1,256	129 221 77 72 239	91,920 131,265 110,350 50,934 167,079	430,267 543,644 557,722 241,394 631,218	701,815 941,007 1,011,095 379,925 1,043,643	30,530 35,558 19,350 14,660 24,540	119,291 80,741	483,384 505,600 388,416 238,642 553,797			
						TRENT	TON AREA 7							
	All industries, total*	447	275	87	85	37,528	153,561	295,040	14,754	40,422	208,485			
20 22 23 24 25	Food and kindred products ⁴ Textile mill products Apparel and related products Lumber and wood products ⁵ Furniture and fixtures	75 15 26 12 11	57 3 11 10 9	17 4 11 2 1	1 8 4 	1,228 2,321 1,492 156 270	4,613 8,783 3,719 446 883	8,036 13,915 4,585 789 2,547	424 (*) 32 (*) (*)	1,395 2,467 1,599 337 166	7,606 14,750 5,420 1,289 486			
26 27 28 30 32	Pulp, paper, and products Printing and publishing Chemicals and products Rubber products Stone, clay, and glass products	9 50 17 16 48	5 45 5 2 25	1 2 3 2 9	3 3 9 12 14	714 835 1,636 3,813 5,272	3,437 3,735 6,677 15,402 20,969	4,794 6,948 29,405 25,334 35,555	(*) 248 (*) (*) 792	417 685 1,147 5,223 5,186	2,429 4,129 20,467 25,788 22,020			
33 34 35 36 39	Primary metal industries Fabricsted metal products Machinery, except electrical Electrical machinery Miscellaneous manufactures ⁶	12 50 51 16 25	6 31 38 8 14	3 12 10 2 7	3 7 3 6 4	1,876 7,930 3,480 2,642 1,655	9,034 35,344 15,558 10,381 6,778	15,218 72,709 26,560 24,183 12,185	(*) 6,418 1,234 (*) 270	5,184 3,473	11,700 37,070 16,667 22,824 9,633			

For footnotes, see end of table.

NEW JERSEY

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947—Continued

(See text for explanation of column captiona)

						1954				1947	
Ind.			Number	of eatabl with—	ishmenta	All employeea 1		Value	Capital	422	Value
group code		Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- turea, new (\$1,000)	All employeea, number	added by manu- facture (\$1,000)
			· · · · · · · · · · · · · · · · · · ·								
	All industries, total 3	8,116	4,960	2,192	964	549,484	2,301,171	4,056,021	277,937	531,809	2,772,649
21 22 23	Food and kindred products ⁴ Tobacco manufactures. Textile mill products. Apparel and related products. Lumber and wood products ⁵	801 24 689 1,143 198	505 12 302 554 157	191 3 256 437 38	105 9 131 152 3	52,872 6,344 44,595 56,052 3,049	206,843 16,298 152,066 157,218 11,161	431,877 32,486 233,588 244,060 16,659	21,880 315 9,637 2,477 960	46,361 8,905 64,074 56,567 3,581	264,157 31,429 312,292 228,001 14,962
26 27	Furniture and fixtures. Pulp, paper, and products. Printing and publishing. Chemicals and products. Petroleum and coal products.	322 250 9 17 419 40	225 98 697 254 19	79 95 165 115 6	18 57 55 50 15	7,481 18,962 35,038 28,920 18,350	26,848 80,639 163,248 133,930 97,500	39,344 171,306 296,187 357,301 186,225	1,574 9,117 10,863 39,431 67,142	5,837 19,320 32,470 27,662 16,947	24,741 126,057 203,299 218,146 140,474
31 32	Rubber products. Leather and leather products. Stone, clay, and glass products. Primary metal industries. Fabricated metal products.	55 136 258 176 887	29 76 166 77 587	15 37 66 49 229	11 23 26 50 71	8,230 7,748 10,697 34,082 48,741	37,485 25,085 46,983 161,787 213,471	92,100 37,972 87,660 245,501 350,085	10,575 640 5,494 31,171 13,518	8,827 10,631 10,848 28,012 47,690	53,376 50,603 55,962 131,607 224,630
36 37 38	Machinery, except electrical Electrical machinery Transportation equipment Instruments and related products. Miscellaneous manufactures ⁶	847 192 102 153 507	589 98 53 102 360	194 47 25 32 113	64 47 24 19 34	46,710 49,620 42,745 12,956 16,292	222,017 218,524 214,731 56,365 58,972	351,613 388,927 306,939 86,100 100,091	18,998 14,300 14,203 2,172 3,470	46,837 38,540 33,487 10,508 14,705	222,674 203,468 152,454 46,999 67,318

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

.Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops), which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing eatablishment. In 1954, the employment and payroll for such central administrative offices and auxiliary units of manufacturers in each standard metropolitan area are shown in the table below. Comparable data for 1947 are not available.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)	
New York-Northeastern New Jersey Philadelphia		672,495 105,145	
Trenton	1 1 000	5,000 - 10,000	

²The New York-Northeastern New Jersey Standard Metropolitan Area consists of New York City (Bronx, Kings, New York, Queens, and Richmond counties); Nassau, Rockland, Suffolk, and Westchester counties, New York; Bergen, Esaex, Hudson, Middlesex, Morris, Passaic, Somerset, and Union counties,

Nassau, Rockland, Suffolk, and Westchester counties, New York; Bergen, Beaux, Mudson; Middless, Middless, Mark Jersey.

3The aum of induatry group figures may not equal the "All industries" totals due to independent rounding of detail and total figures.

4The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual Statea.

31954 Censua totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual States.

(Establishments which small mills for individual States.

6Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

7The Trenton Standard Metropolitan Area consists of Mercer county, New Jersey.
8The Philadelphia Standard Metropolitan Area consists of Burlington, Camden, and Cloucester counties, New Jersey; Bucks, Chester, Delaware, Montgomery, and Philadelphia counties, Pennsylvania.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

	1954							1947		
Standard metropolitan area and county		Number of establishments with—		All employees		Value	Capital	All	Value	
	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
New Jersey*	13,244	8,513	3,360	1,371	784,188	3,334,477	6,266,655	364,235	739,035	4,186,077
STANDARD METROPOLITAN AREAS										
Allentown-Bethlehem-Easton ¹ Portion in New Jersey Portion in Pennsylvania	1,007 116 891	472 59 413	361 38 323	174 19 157	90,134 10,055 80,079	322,784 38,182 284,602	584,959 71,347 513,612	43,699 2,473 41,226	88,614 9,130 79,484	360,669 41,451 319,218
Atlantic City ²	252	173	65	14	6,202	18,428	28,384	1,566	6,057	23,212
New York-Northeastern New Jersey ¹ Portion in New Jersey Portion in New York.	51,628 10,446 41,182	36,071 6,661 29,410	12,912 2,711 10,201	2,645 1,074 1,571	1,739,552 610,385 1,129,167	7,104,864 2,634,967 4,469,897	13,073,647 4,939,339 8,134,308	450,410 264,188 186,222	1,598,662 571,661 1,027,001	9,310,900 3,326,416 5,984,484
Philadelphia ¹ Portion in New Jersey Portion in Pennsylvania	8,116 917 7,199	4,960 624 4,336	2,192 200 1,992	964 93 871	549,484 68,418 481,066	2,301,171 297,168 2,004,003	4,056,021 535,230 3,520,791	277,937 49,702 228,235	531,809 63,639 468,170	2,772,649 334,088 2,438,561
Trenton ¹	447	275	87	85	37,528	153,561	295,040	14,754	40,422	208,485
Wilmington ³ . Portion in Delaware Portion in New Jersey.	348 300 48	202 176 26	84 71 13	62 53 9	37,818 27,182 10,636	169,625 115,026 54,599	390,069 254,367 135,702	25,541 13,869 11,672	36,506 24,175 12,331	207,254 121,594 85,660
COUNTIES										
Atlantic Bergen Burlington Camden Camden	252 1,512 241 512 72	173 1,026 162 351 55	65 373 52 105 13	14 113 27 56 4	6,202 82,815 12,818 45,903 1,471	18,428 366,292 53,442 201,089 4,126	28,384 646,742 95,277 366,094 8,434	1,566 20,222 14,075 13,898 696	6,057 52,508 12,516 43,971 1,380	23,212 325,495 58,388 227,648 5,399
Cumberland Essex. Gloucester. Hudson. Hunterdon.	254 2,844 164 2,359	147 1,826 111 1,580 59	74 747 43 565 23	33 271 10 214 7	17,972 143,283 9,697 133,952 3,547	60,942 611,399 42,637 572,634 13,243	108,212 1,054,388 73,859 1,113,164 24,139	9,213 51,347 21,729 42,087 3,984	16,485 142,892 7,152 144,039 4,123	71,027 798,016 48,052 889,898 24,056
Mercer Middleaex. Monmouth Morris Ocean.	447 651 408 356 122	275 323 278 239 105	87 205 105 66 16	85 123 25 51 1	37,528 64,793 14,125 17,594 1,608	153,561 281,288 46,906 72,506 5,216	295,040 601,081 97,019 160,086 9,356	14,754 45,668 3,437 7,992 1,889	40,422 59,614 11,587 12,837 824	208,485 334,239 56,589 82,167 3,568
Passiac. Salem. Somerset. Sussex. Union. Warren	1,468 48 168 73 1,088 116	913 26 100 51 654 59	415 13 47 15 293 38	140 9 21 7 141 19	71,166 10,636 15,766 2,223 81,016 10,055	290,962 54,599 69,624 7,123 370,262 38,182	501,642 135,702 127,772 14,439 734,464 71,347	20,016 11,672 7,990 645 68,866 2,473	78,521 12,331 14,217 1,396 67,033 9,130	376,137 85,660 83,366 6,126 437,098 41,451

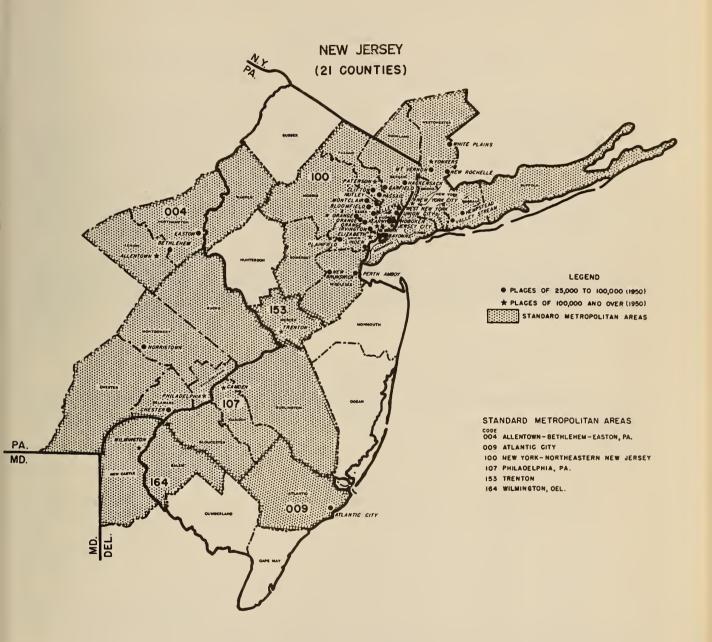
^{*}The sum of the county figures may not equal the State total due to independent rounding of county and total figures.

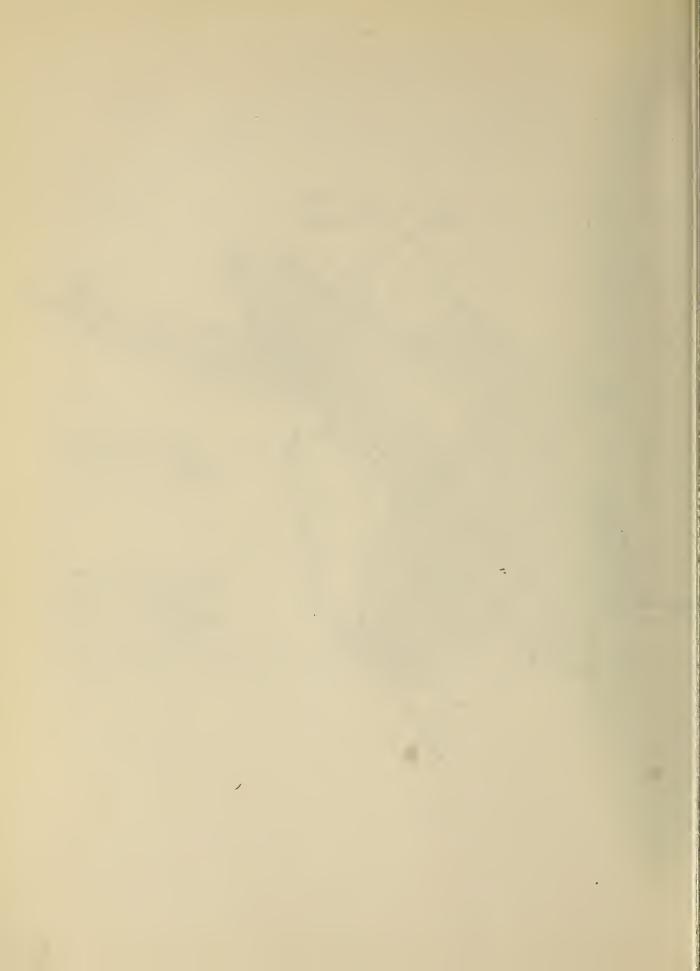
1 For definition of Standard Metropolitan Areas, and the central administrative office and auxiliary unit employment and payrolls for these areas, are Table 3 footnotes.

2 The Atlantic City Standard Metropolitan Area consists of Atlantic county, New Jersey. There was no administrative office or auxiliary unit

employment in this area.

The Wilmington Standard Metropolitan Area consists of New Castle county, Delaware and Salem county, New Jersey. In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, there were 15 thousand employees at central administrative offices and auxiliary units of manufacturing companies with a payroll of \$116 million. For a description of these other activities, see footnote 1 to Table 3.





1954 Census of Manufactures

July 1956

Series:

MC-S30

NEW MEXICO

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREA, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	598	431	+39
1-19 employees	do	496 87 15	343 79	+45 +10 +67
All employees ¹ Number	Thousands	15.0	6.7	+124
Payroll	Million dollars	62.5	15.0	+317
Value added by manufacture		127.1 6.5	32.1 5.4	+296 +20

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported less than 0.1 thousand employees with a payroll of less than \$0.5 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as v single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment.</u>
Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. — GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

	(and the sea official of options)										
						1954				1947	
Ind.		Total	Number	of establ with-	ishments	All em	ployees ¹	Value	Cspital	All	Value
group		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	sdded by manu- fscture (\$1,000)
	All industries, total*	598	496	87	15	14,984	62,515	127,052	6,522	6,696	32,136
20	Food and kindred products2	156	126	24	6	2,661	8,611	17,375	1,486	1,706	7,898
23	Apparel and related products	22	19	3		211	351	540	24	295	648
24	Lumber and wood products3	141	116	23	2	1,998	5,821	9,891	1,152	1,910	8,250
25	Furniture and fixtures	20	19	1		113	367	583	12	144	429
27	Printing and publishing	94	86	7	1	1,079	4,042	7,460	1,010	752	3,729
28	Chemicals and products	22	11	10	1	5,996	31,954	68,252	533	343	2,999
32	Stone, clay, and glass products	36	31	5		366	1,040	1,662	171	326	1,030
34	Fabricated metsl products	21	20	1		210	766	1,014	64	151	758
35	Machinery, except electrical	26	24	2		175	778	1,432	89	32	115
39	Miscellaneous manufsctures4	28	24	2	2	964	3,824	6,160	1,292	305	1,102

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of dats for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

State.

...Represents zero.

In saddition to the employment and payroll totsls shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and suxiliary units of manufacturers in the State of New Mexico reported 50-100 employees with a total payroll of \$250-500 thousand. Comparable data for 1947 are not swailable.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as s whole in 1954. No estimate has been made of the importance of these establishments for individual States.

1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947. Logsing Camps

importance of these establishments for individual States.

*1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these

loggers and smell mills for individual States.

"Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.

Table 3. --GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (The State of New Mexico contains no standard metropolitan area with 40,000 or more manufacturing employees.)

NEW MEXICO

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 (See text for explanation of column captions)

(See text for explanation of column captions)											
					1954		1947				
Standard metropolitan	Total	Number	of establ with—		All em	ployees	Value added by	Capital expendi-	All	Value added by	
area and county	number of estab-	em-	20-99 em-	100 or more em-	Number	Payroll	manu- facture	tures,	employees, number	msnu- facture	
	lishments	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
New Mexico, total	598	496	87	15	14,984	62,515	127,052	6,522	6,696	32,136	
STANDARD METROPOLITAN AREA											
Albuquerque ¹	183	148	26	9	9,274	43,665	85,680	2,888	1,954	8,743	
COUNTIES											
Bernalillo. Catron	183 13	148	26 2	9	9,274	43,6 65 382	85,680 687	2,888	1,954 61	8,743 227	
Chaves	27 18	19	7	1	512 248	1,899 646	3,735	303 (*)	459 209	2,567 828	
ColfaxCurry	26	23	3	•••	313	998	1,119 2,004	89	205	944	
De BacaDona Ana.	1 20	1 16		 1.	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	
Eddy	28	19	8	1	602	2,401	6,022	970	368	2,503	
GrantGuadalupe	12 2	9	2	1	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	
Harding Hidalgo	3	3			(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	
Lea	25	18	7	•••	383	1,761	6,080	128	269	2,471	
LincolnLos Alamoa	6	6			(*)	(*)	(*)	(*)	(*)	(*)	
Luna	10 17	8 16	1	1	227 134	706 486	827 1,801	(*) (*)	59 167	278 855	
Mora	12	12			(*) 275	(*) 1,124	(*) 2,079	(*) (*)	(*) 441	(*) 2,333	
Quay	9	9	•••		(*)	(*)	(*)	(*)	(*)	(*)	
Rio Arriba	18 13	13	5 4		366 (*)	869 (*)	1,105 (*)	(*) (*)	127 (*)	236	
Sandoval	7	4	3	•••	(*)	(*)	(*)	(*)	(*)	(*) (*) (*)	
San Juan San Miguel	12 22	12 20	2		(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*)	
Sante Fe	38 3	33 3	5	•••	452 (*)	1,270 (*)	1,607 (*)	131 (*)	457 (*)	1,787 (*)	
SocorroTaos	9 28	9 26	2	•••	(*) 280	(*) 608	(*) 842	(*)	(*) 76	(*) 127	
Torrance.	28	1	1	•••	(*)	(*)	(*)	(*)	(*)	(*)	
UnionValencia	5 11	5 10			(*) 103	(*) 246	(*) 566	(*) (*)	(*) 415	(*) 1,261	
, 44, 44, 44, 44, 44, 44, 44, 44, 44, 4	1.1	10		•••	105	240	200	(*)	717	1,201	

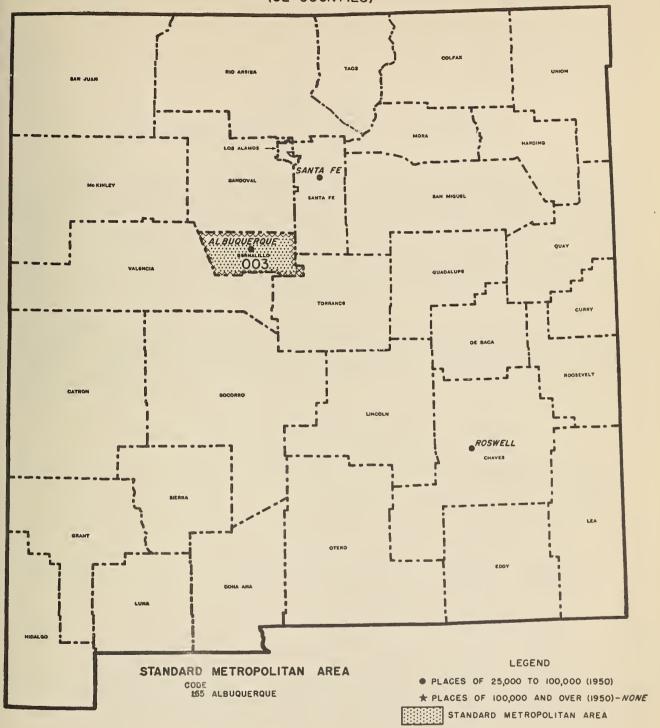
*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

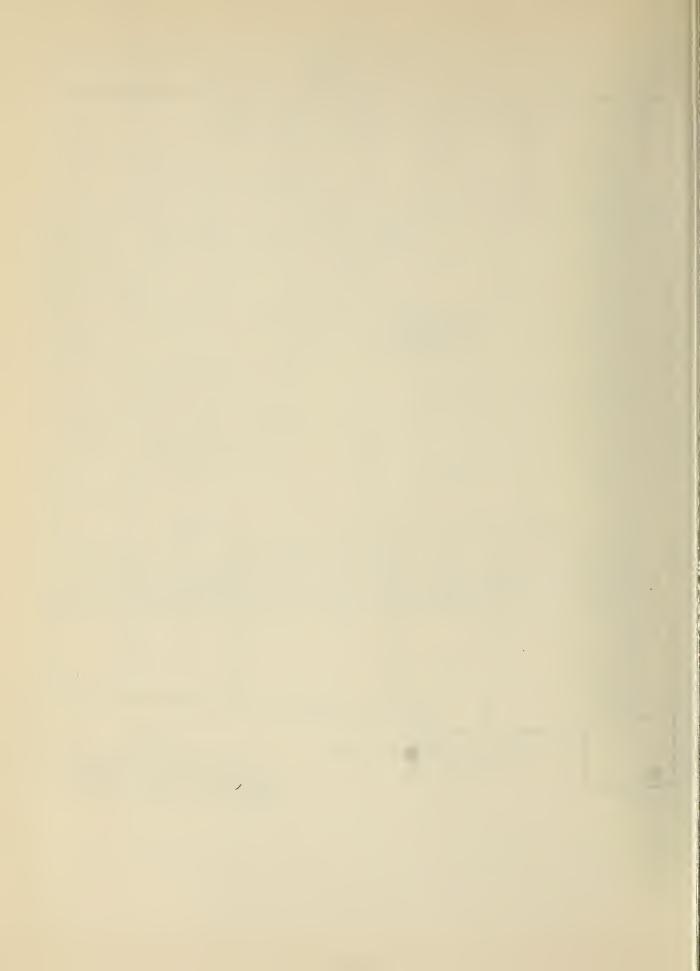
checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

¹The Albuquerque Standard Metropolitan Area consists of Bernalillo County, New Mexico. In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage varehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general laboratories the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the Albuquerque Standard Metropolitan Area reported 50-100 employees with a total payroll of \$250-500 thousand. Comparable data for 1947 are not available.

NEW MEXICO (32 COUNTIES)





1954 Census of Manufactures

June 1956 Series: MC-S31

NEW YORK

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

	onpide of to			
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	50,628	47,782	+6
1-19 employees	do	35,434	33,333	+6
20-99 employees	do	12,363	11,696	+6
100 or more employees	do	2,831	2,753	+3
All employees 1		•		
Number	Thousands	1,910.9	1,773.1	+8
Payroll	Million dollars	7,770.8	5,277.7	. +47
Value added by manufacture		14,149.4	9,655.9	+47
Capital expenditures, new	do	575.8	497.4	+16

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 110 thousand employees with a payroll of \$726 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

3 NEW YORK

(See text for explanation of column captions)

Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

						1954				1947	
Ind.	Major industry	Total	Number	of establ with—	ishmenta	All em	ployeea ¹	Value	Capital	All	Value
group		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employeea, number	added by manu- facture (\$1,000)
	All industries, total*	50,628	35,434	12,363	2,831	1,910,904	7,770,767	14,149,442	575,761	1,773,138	9,655,859
20 21 22 23 24	Food and kindred products ²	3,830 107 1,718 16,022 1,473	2,700 96 1,081 10,320 1,254	814 9 509 5,238 196	316 2 128 464 23	151,141 1,193 66,761 380,009 17,994	621,991 3,049 234,773 1,198,669 59,587	1,369,415 7,629 417,793 1,963,141 93,261	62,416 126 13,956 16,264 4,564	135,309 2,208 90,126 380,873 16,957	977,357 7,527 421,225 1,998,314 69,421
25 26 27 28 29	Furniture and fixtures. Pulp, paper, and products. Printing and publishing. Chemicals and products. Petroleum and coal products.	1,798 1,032 5,856 1,478 116	1,392 504 4,611 1,100 82	336 350 977 262 20	70 178 268 116 14	37,987 64,187 170,969 67,818 6,008	146,131 261,175 831,709 304,959 28,994	249,195 471,780 1,589,768 867,140 50,789	6,022 30,270 34,407 43,948 5,984	37,389 64,369 166,125 67,366 7,576	186,159 368,998 1,133,621 585,020 59,594
31 32 33	Rubber products. Leather and leather products. Stone, clay, and glass products. Primary metal industries. Fabricated metal products.	116 1,663 1,011 499 3,391	83 1,099 782 253 2,475	17 421 168 153 725	16 143 61 93 191	9,900 61,031 40,152 74,592 96,949	40,520 180,654 165,891 339,148 402,529	60,545 271,531 321,345 614,228 682,548	4,492 3,612 27,524 29,792 27,736	8,764 68,997 39,216 77,490 88,382	46,909 290,804 209,104 369,908 458,260
35 36 37 38 39	Machinery, except electrical Electrical machinery. Transportation equipment. Instruments and related products. Miscellaneous manufactures'	2,610 1,051 487 856 5,514	1,950 573 277 625 4,177	492 292 112 150 1,122	168 186 98 81 215	148,633 126,415 142,125 80,442 166,581	685,683 524,198 711,421 386,882 642,788	1,188,086 936,408 1,192,854 704,169 1,097,797	66,680 41,511 93,759 38,336 24,332	137,940 101,328 89,803 87,320 105,600	687,471 456,410 408,482 426,050 495,225

*The sum of industry group totals may not equal the "All industries" totals due to independent rounding of detail and total figures.

*The sum of industry group totals may not equal the "All industries" totals due to independent rounding of detail and total figures.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops), which serve the manufacturing establishments of a company rather than the general public. Separate reports of central offices and auxiliary units of manufacturers in the State of New York reported 109,940 employees with a total payroll of \$725,899 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and smalls for individual States.

**Small mills for individual States.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

	(See text for explanation of column captions)										
						1954				19	47
Ind.	Major industry group		Number	of establ with-	ishments	All employees 1		Value	Capital	All	Value
group		Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,00
						ALBANY-SCH	ENECTADY-TRO	Y AREA ²		ļ.	
	All industries, total*	684	429	143	112	71,727	322,972	583,717	44,587	71,388	32346
20 22 23 24 25	Food and kindred products ³	35 69 30	99 10 28 27 16	37 18 21 2	14 7 20 1	5,205 3,915 7,419 370 227	21,584 14,215 20,365 1,303 825	44,700 22,965 27,815 1,873 1,924	2,854 1,107 284 102 54	4,714 5,906 6,832 353 277	33,847 23,736 29,149 1,449 1,130
26 27 28 32 33	Pulp, paper, and products	25 105 38 36 17	8 86 31 24 7	8 11 1 5 3	9 8 6 7 7	2,623 4,601 2,582 4,235 3,173	10,821 20,453 12,336 18,114 14,842	18,382 31,802 45,953 38,144 21,300	1,501 1,110 1,257 1,078 (*)	3,169 3,794 3,590 3,621 3,048	17.678 17,709 31,631 19,768 17,109
35	Fabricated metal products Machinery, except electrical Miscellaneous manufactures ⁵	37 48 37	25 29 22	8 10 9	4 9 6	1,269 13,365 5,953	5,458 70,439 27,179	7,384 136,167 42,228	282 19,824 1,926	894 7,391 2,453	4,029 23,573 9,493

For footnotes, see end of table.

Table 3.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947--Continued

(See text for explanation of column captions)

			(See tex	t for exp	planation	of column ca	aptions)				
						1954				19	47
Ind. group code		Total number of		of establ with-	ishments	All em	ployees	Value added by	Capital expendi-	All employees,	Vslue sdded by
		estab- lishments	l-19 em-	em-	more em-	Number	Payroll	manu- facture	tures, new	number	manu- fscture
			ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1, 10)		(\$1,000)
				ı		BING	HAMTON AREA				
	All industries, total*	291	153	69	69	41,885	164,296	269,167	15,260	35,769	159,879
20 23	Food and kindred products ³ Apparel and related products	55 14	36 6	15 5	4 3	1,675 718	6,197 1,713	10,348 2,569	730 (*)	1,202 582	7,577 2,039
24 26	Lumber and wood products ⁴ Pulp, paper, and products	13	10 2	2 4	1 2	296 943	1,079 3,862	1,633 14,133	(*) (*)	298 875	1,123 7,658
27	Printing and publishing	30	22	5	3	1,075	4,582	7,025	291	997	4,755
34 36 39	Fsbricated metal products Electrical machinery Miscellaneous manufactures ⁵	21 8 13	7	12	2 4 2	797 892	3,154 2,699	4,489 4,752	296 (*) (*)	707	2,990
29	riscellaneous manufactures		10	1	2	1,936	8,202 FFALO AREA	31,992	(*)	255	950
	Ann destruction that have be	7 044	2 220	,,,,	200			2 660 460	1/0 150	7.00.000	1 000 001
20	All industries, total*	1,844	1,110	444	290	199,784	927,405	1,668,468	140,176	183,876	1,023,231
20	Food and kindred products Textile mill products	377 19	241	91 7	45 8	16,648	70,571 6,195	154,300	7,337· (*)	16,346 2,127	142,476 9,319
23 24	Apparel and related products Lumber and wood products	79 63	53 48	15 13	11 2	3,368 1,011	10,396 3,474	13,882 5,152	163 165	3,822 1,128	12,698
25 26	Furniture and fixtures Pulp, paper, and products	57	26 16	11 23	7	2,251 6,902	9,467	17,846 57,235	512 5,632	2,805 7,190	17,392 40,083
27	Printing and publishing	213 127	165 72	36 26	12 29	7,522 15,964	34,710 80,064	57,837 191,976	2,330 17,774	7,049 16,801	45,180 138,850
29	Petroleum and coal products	17 11	3 5	7 1	7 5	2,969 3,264	13,790 17,230	25,835 25,631	(*) (*)	2,718 4,058	23,128 26,513
32	Stone, clay, and glass products	88	52	20	16	7,677	35,477	70,122	3,958	7,296	45,106
34	Primary metal industries Fabricated metal products	79 200	24 128	24 54	31 18	34,793 8,337	159,678 37,549	307,228 65,875	15,412 2,465	38,441 12,132	163,028 61,901
35 36	Machinery, except electrical Electrical machinery	249 36	160 15	62 7	27 14	15,868 14,888	75,625 67,765	117,867	4,687 4,464	15,017 14,416	75,951 63,505
37 38	Transportation equipment Instruments and related products.	50 25	17 16	10 5	23 4	46,417 2,696	233,749	371,018 17,881	66,144 158	23,641 3,159	110,894 13,038
39	Miscellaneous manufactures ⁵	96	54	30	12	7,226	30,321	47,330	1,910	5,172	27,552
				1	NE'	W YORK-NORTH	EASTERN NEW	JERSEY AREA		1	
	All industries, total9	51,628	36,071	12,912	2,645	1,739,552	7,104,864	13,073,647	450,410	1,598,662	9,310,900
21	Food and kindred products ³ Tobacco manufsctures	2,535 107	1,774 93	501 8	260 6	131,521 3,386	577,044 9,564	1,309,511 31,286	50,086 583	113,148 5,353	865,940 29,878
22 23	Textile mill products	2,132 17,447	1,365	637 5,701	130 464	71,181 394,416	267,000 1,241,896	453,651 2,037,853	15,408 18,443	87,506 387,395	451,732 2,037,614
	Lumber and wood products ⁴ Furniture and fixtures	845 1,851	709 1,481	125 337	11 33	10,570 30,941	38,844 118,776	61,896	1,455 4,600	8,996 27,502	45,834
	Pulp, paper, snd products Printing and publishing	967 5,563	513 4,386	319 929	135 248	50,023 162,306	210,235	373,650 1,520,934	19,718 33,495	42,740 157,404	272,369 1,085,833
28	Chemicals and products Petroleum and coal products	1,848	1,268	401 25	179 18	103,103 14,482	481,705 78,213	1,370,633 131,518	65,370 45,949	102,086 15,457	951,221 210,035
30	Rubber products	149	97	32	20	11,325	46,619	78,316	2,780	14,204	66,992
32	Leather and leather products Stone, clay, and glass products	1,511	1,017	392 172	102 40	42,217 24,017	131,462 98,739	204,539 184,696	2,571 13,250	42,792 20,909	205,792 117,357
33 34	Primary metal industries Fsbricated metal products	510 3,756	289 2,781	145 790	76 185	39,346 99,170	178,049 420,475	319,968 719,739	20,992 31,072	38,160 82,960	226,590 434,283
35 36	Machinery, except electrical Electrical machinery	2,817 1,322	2,199 730	489 371	129 221	91,920 131,265	430,267 543,644	701,815 941,007	30,530 35,558	90,466 119,291	483,384 505,600
37 38	Transportation equipment Instruments and related products.	469 885	271 652	121 161	77 72	110,350 50,934	557,722 241,394	1,011,095 379,925	19,350 14,660	80,741 46,304	388,416 238,642
	Miscellaneous manufactures5	5,915	4,420	1,256	239	167,079	631,218 ESTER AREA ¹⁰	1,043,643	24,540	115,248	553,797
	All industries, total*	983	653	203	127	111,313	508,112	916,340	58,450	107,493	514,543
	Food and kindred products3	195 39	130 18	43 12	22	9,019 9,275	33,985 32,331	71,934 50,494	4,919 198	7,626 12,443	44,651 50,615
24	Appsrel and related products Lumber and wood producta ⁴	25 31	19 17	6	•••	292 1,220	970	1,226 8,148	38 194	457 1,406	1,444 7,862
ŧ	Furniture and fixturea Pulp, paper, and producta	34	15	11	8	1,675	4,707 6,704	11,387	539	2,214	11,156
	Printing and publishing	136 37	109 30	18 5	9	4,403 875	20,404 4,293	36,613 12,585	1,074 450	4,132 1,180	25,477 7,923
31 32	Leather and leather products Stone, clay, and glass products	17	13 23	2 7	2	668 802	1,954 3,581	3,093 4,311	(*) 171	1,842 1,090	6,132 6,434
	Primary metsl products	90	13 56	8 27	3 7	844	3,823 13,536	5,281	237 1,522	1,444 2,643	6,354
35	Fabricated metal products Machinery, except electrical	150 28	111 14	27 25 5	14 9	3,112 8,731 12,591	43,995 53,332	22,235 75,990 82 283	4,327 4,063	8,566 9,532	43,354 40,342
36 38	Electrical mschinery Instruments and related products.	50	20 54	10	20 11	44,792 6,549	225,629	82,283 443,331 41.534	30,800 477	44,967 3,230	215,264
39	Miscellaneous manufactures	[6	74	10	I	0,049	27,592	41,534	777	,,,,,,,	24,6,1

For footnotes, see end of table.

Table 3.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES,
BY MAJOR INDUSTRY GROUP: 1954 AND 1947--Continued

(See text for explanation of column captions)

			(Dee te)	to tot exp) Tallacton	or cormin ca	ptions)				
						1954				1947	
Ind.		Total	Number	of establ with—	ishments	All emp	ployeea ¹	Value	Capital	All	Value
group		number of estab- lishments	1-19 em-	20-99 em-	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- fscture
		TI DI ABENTOS	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
						SYR	ACUSE AREA ¹¹				
	All industries, total*	577	365	135	77	58,682	248,276	492,942	24,798	54,563	275,257
	Food and kindred products3	99	59	32	8	3,405	12,898	23,579	1,581	2,537	11,868
	Apparel and related products	13	10	1	2	964	2,324	2,829	(*)	1,378	4,810
24 25	Lumber and wood products4 Furniture and fixtures	20 19	16 15	4	•••	260 260	780 889	853 1,472	37 (*)	489 287	1,794 930
	Pulp, paper, and products	16	3	10	3	871	3,276	5,807	(*)	999	4,710
			_				2,2,0	2,001	()		-,,120
	Printing and publishing	79	62	14	3	2,026	8,655	16,645	244	1,746	12,016
	Chemicals and products	26	18	5	3	3,690	16,901	39,902	7,465	3,807	20,724
	Stone, clay, and glass products	19	12	3	4	2,139	7,052	10,628	(*)	2,518	8,260
	Primary metal industries	32	11	14	7	5,198	23,229	37,901	1,342	6,352	27,271
34	Fabricated metal products	76	49	18	9	3,030	13,155	19,970	1,010	3,594	17,169
35	Machinery, except electrical	101	67	20	14	15,277	67,540	151,854	7,562	16,318	80,757
	Electrical machinery	13	5	1	7	12,424	52,845	114,379	(*)	6,967	51,686
	Transportation equipment	9	2	1	6	6,262	28,817	50,926	(*)	4,595	21,616
39	Miscellaneous manufactures5	26	18	3	5	1,437	5,478	9,311	505	1,302	5,106
						UTIC	A-ROME AREA1	2			
	All industries, total*	506	321	114	71	42,974	168,485	329,519	9,980	50,975	232,985
20	Food and kindred products3	133	100	27	6	2,725	10,038	27,933	1,566	2,144	14,349
	Textile mill products	18	4	3	11	3,183	9,169	11,825	311	9,669	35,695
	Apparel and related products	31	14	11	6	1,871	5,260	6,943	89	2,556	8,233
24	Lumber and wood products4	48	40	7	1	572	1,777	3,142	186	357	1,667
25	Furniture and fixtures	17	9	3	5	1,148	4,191	7,168	(*)	1,489	5,671
26	Pulp, paper, and products	15	3	9	3	923	3,857	7,707	(*)	1,167	6,424
	Printing and publishing	53	46	6	1	782	3,337	5,556	149	756	3,873
	Chemicals and products	16	14	1	1	618	2,244	4,255	(*)	824	4,858
31	Leather and leather products	15	3	8	4	1,935	5,206	7,628	(*)	2,181	8,940
33	Primary metal industries	16	1	9	6	5,726	26,156	47,373	(*)	5,806	36,472
	Fabricated metal products	37	18	9	10	4,617	19,334	33,489	764	4,872	24,063
35	Machinery, except electrical	42	23	13	6	6,548	26,491	51,909	1,858	7,422	30,233
39	Miscellaneous manufactures5	22	14	5	3	4,776	19,639	35,478	1,523	7,198	33,760

*Totals include data for industry group figures which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

..Represents zero.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often In addition to the employment and payroll totals anown in the table for operating manuscurring establishments, manuscurring concerns of ten reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops), which serve the manufacturing establishments of a company rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, the employment and payroll for such central administrative offices and auxiliary units of manufacturers in each standard metropolitan area are shown in the table below. Comparable data for 1947 are not available.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
•		
Albany-Schenectady-Troy	13,781	79,024
Binghamton	1,495	5,279
Buffalo	2,556	12,718
New York-Northeastern New Jersey	98,693	672,495
Rochester	3,795	23,789
Syracuse	2,915	14,441
Utica-Rome	184	976

²The Albany-Schenectady-Troy Standard Metropolitan Area consists of Albany, Rensselaer, and Schenectady counties, New York.

³The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

importance of these establishments for individual standard metropolitan areas.

1954 Censua totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Campa and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Milla (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual standard metropolitan areas.

5 Includes privately owned and/or operated establiahments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.

The Binghamton Standard Metropolitan Area consists of Broome county, New York.

The New York-Northeastern New Jeraey Standard Metropolitan Area consists of New York City (Bronx, Kings, New York, Queens and Richmond counties); Neasau, Rockland, Suffolk, and Westchester counties New York; Bergen, Essex, Hudson, Middlesex, Morris, Passaic, Somerset, and Union counties, New Jersey.

Jersey.

The sum of industry group totals may not equal the "All industries" totals due to independent rounding of detail and total figures.

The Rochester Standard Metropolitan Area consists of Monroe county, New York.

The Syracuse Standard Metropolitan Area consists of Chondaga dounty, New York.

The Utico-Rome Standard Metropolitan Area consists of Herkimer and Cheida counties, New York.

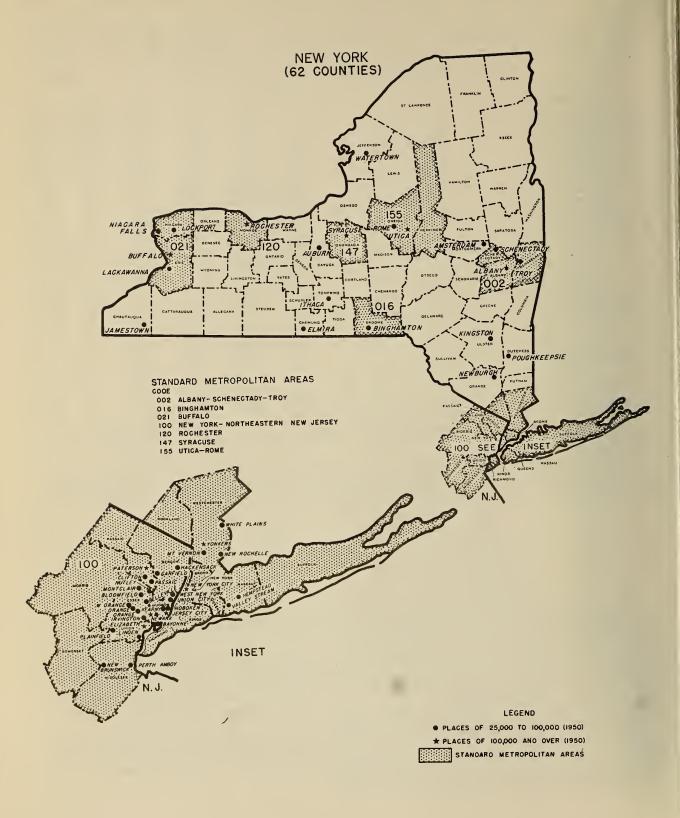
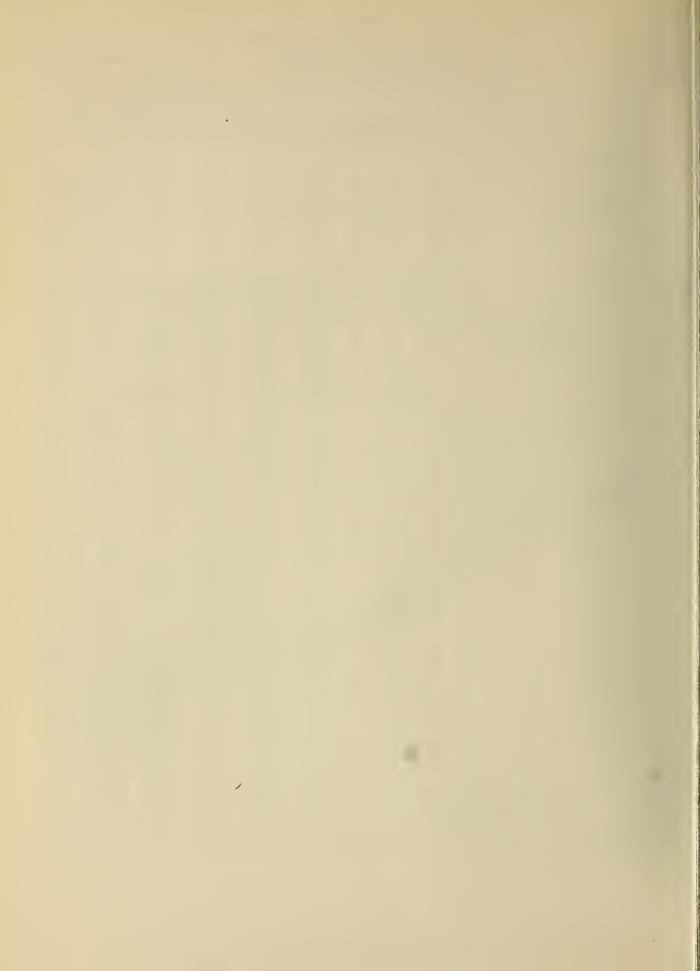


Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 (See text for explanation of column captions)

Total Post		(See Seas 1st explanation of column capitons)									
Standard metarpolation Spring Spr			Numbon	C cotchl	ahmanda.	1954				19	147
Services Services	Standard metropolitan		Number o		Lanments	All emp	ployees			All	
Secretary Control Co			1_10	20.99	100					employees,	
		lishments	em-	em-		Number	Payroll			number	
### Profit			ployees	ployees			(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
Albay Secretary 1.50	New York total	50 628	35 /3/	12 363	2 031	1 010 004	7 770 767	1/ 1/0 //2	595 963	1 002 120	
Section Sect		50,020	32,434		2,001	1,010,904	1,110,101	14,140,446	272,701	1,777,100	9,000,009
Eighpation		684	7.29	1/3	112	מכת ות	300 070	503 777	11. 500	77 300	327 374
Barfella 1,196	Binghamton ¹	291	153	69	69	41,885	164,296	269,167		35,769	159,879
Portform in Mer York		1								183,876	
Perticulation of New Yorks 19,646 6,661 2,711 1,707 611,785 2,645,907 4,999,309 264,188 771,663 3,726,425 3,726,42						1,739,552					
Section Sect								4,939,339			3,326,416
Systems	Rochester ¹								58,450	107,493	514,543
Committee	Syracuse ¹									54,563	275,257
Albary 340 201 89 50 22,481 91,715 18,612 7,102 22,273 116,711 41,102 116,711 41,102 116,711 41,102 116,711 41,102 116,711 41,102 116,711 41,102 116,711 41,102 116,711 41,102 116,711 41,102 116,711 41,102 116,711 41,102 116,711 41,102 41,1		200	JEI	114	/1	42,714	100,400	329,319	9,900	50,975	222,902
Allegary 2,80 3,81 18		340	201	80	50	22 / 21	01 7715	158 612	7 102	22 203	116 711
December 291 1.23 69 69 A. 863 1.64, 296 29 107 1.2, 203 32, 766 1.29, 979 1.20, 979	Allegany	80	58	18	4	3,192	13,002	25,889		3,032	14,334
Catternum	Bronx (Bronx Borough)					53,071			8,961		
Comparison 134 90 28 16 8,197 32,334 50,966 1,769 10,088 44,070 10,088 44,088 44,088 44,088 44,088 44,088 44,098 44,088 44,09	Cattaraugus										
Chattatique	Cayuga			28	16	8,197	32,354				48,081
Chemange	Chautauqua			75	57	23,359	94,979	169,467	5,853	22,560	109,776
Olimbin	Chenango					4,170				3,052	20,525
Certified	Clinton	61	42	13	6	2,334			846		
Delaware 88						4,258	15,517			4,647	
Datchess							22,436			3,158	14,247
Bases	Dutchess					24,307	108,027	175,544	7,161	14,692	70,587
Prinkfish									-		
Pulton. 273 189 65 19 7,885 22,634 24,077 1,038 10,840 37,506 Greesee. 80 45 19 16 67,600 27,1505 56,429 3,854 6,169 33,750 6,760 27,1505 6,76							5,885				4,427
Greene. 63 44 13 6 1,288 6,180 11,990 10,974 1,663 7,009 1445 701 146110000 24 20 4 240 6678 1,205 96 145 701 14611000 24 20 14 240 12,009 14,000 14	Fulton	273	189	65	19	7,885	22,634	34,057	1,038	10,840	37,506
Heartinon							6,180				7.089
Serkimer											
Extrage (Brocklym Berough)	Herkimer	127			20	12,461	44,274	91,917	2,365	15,232	63,154
Livingston. 61 40 12 9 2,999 9,832 18,777 13,667 698 3,262 12,103 Pladison. 67 45 18 4 2,395 8,477 13,661 544 2,583 9,933 Plantingston. 67 45 18 4 2,395 8,477 13,661 544 2,583 9,933 Plantingston. 983 653 203 127 111,33 96,8112 9916,340 558,450 107,493 314,524 Plantingston. 106 60 34 12 10,674 37,666 76,850 2,564 13,866 74,013 Plantingston. 1,154 868 222 64 69,930 387,776 558,672 12,695 25,845 115,467 Niew York (Manhattan Borough) 25,137 18,577 5,901 659 527,820 2,066,076 3,744,377 56,214 554,701 3,446,847 Niew York (Manhattan Borough) 25,137 18,577 5,901 659 527,820 2,066,076 3,744,377 56,214 554,701 3,446,847 Niew York (Manhattan Borough) 26,137 16,67 17,146 868 12,27 60 1,27 6,27 1,27 1,27 6,27 1,27 1,27 6,27 1,27 1,27 6,27 1,27 1,27 6,27 1,27 1,27 6,27 1,27 1,27 1,27 1,27 1,27 1,27 1,27 1	Jefferson							44,416			
Martison	Lewis										
Montgomery 106 60 34 12 111,313 598,132 916,340 584,540 107,493 514,543							9,832				
Montgomery						2,395	508.112	916.340		107.493	9,993 514.543
New York (Manhattan Borough)	Montgomery	106	60	34	12	10,674	37,066	76,850	2,564	13,866	74,015
Miagara											
One-ida 379 246 82 51 30,513 124,211 237,602 7,615 35,743 169,831 Oncondage 577 365 135 77 58,682 248,276 49,942 24,798 54,563 275,257 Orange 342 182 116 44 15,416 51,333 90,222 3,851 13,877 59,465 Orleans 52 31 15 6 2,216 7,301 17,240 853 2,306 9,375 Oswego 132 91 23 18 8,085 32,007 60,685 4,118 10,493 54,887 Ottsego 73 48 20 5 2,239 7,012 10,497 669 1,332 5,062 Putnam 226 5 1,810 707 248 126,387 517,086 95,037 30,938 97,013 582,269 Rosselser 206 133 39 34 12,965											
Ontario 93 54 30 9 4,381 16,883 28,739 1,245 5,383 23,577 Orange 342 182 116 44 15,416 51,333 90,222 3,851 13,877 59,465 Owlego 132 91 23 18 8,085 32,007 60,685 4,118 10,493 54,887 Obsego 73 48 20 5 2,299 7,012 10,497 669 1,332 50,887 Othego 2,765 1,810 707 248 126,387 517,086 950,637 30,938 97,013 582,269 Putnam 206 133 39 34 12,965 45,690 95,974 2,583 15,190 74,288 Richmond (Richnond Brough) 199 114 68 17 10,782 44,382 112,552 4,076 10,620 94,817 Richmond (Richnond Brough) 129 114 68 17 10	Oneida	379	246	82	51	30,513	124,211	237,602	7,615	35,743	169,831
Orange. 342 182 116 44 15,416 51,333 90,222 3,851 13,877 59,465 Orleans 52 31 15 6 2,216 7,901 17,240 853 2,306 9,375 Oswego. 132 91 23 18 8,085 32,007 60,685 4,118 10,493 54,887 Otsego. 73 48 20 5 2,239 7,012 10,497 669 1,332 5,062 Putnam. 32 26 5 1 482 1,842 2,512 136 176 551 Queens (Queens Borough) 2,765 1,810 707 248 126,387 517,086 950,637 30,938 97,013 582,269 Rensselaer. 206 133 39 34 12,965 45,690 95,974 2,583 15,190 74,288 Richmond (Richmond Brough) 129 114 7 13 11,052											275,257
Orleans 52 31 15 6 2,216 7,301 17,240 853 2,306 9,375 Obsego. 132 91 23 18 8,085 32,007 60,685 4,118 10,493 48,887 Obsego. 73 48 20 5 2,239 7,012 10,497 669 1,332 5,662 Putnam. 32 26 5 1 482 1,842 2,512 136 176 551 Queens (Queens Borough) 2,765 1,810 707 248 126,969 45,690 95,974 2,583 15,190 74,288 Rensselaer. 206 133 39 34 12,965 45,690 95,974 2,583 15,190 74,288 Rensselaer. 106 132 47 13 11,052 44,338 138,366 5,198 7,893 53,255 St. Lewrence. 127 87 24 16 9,960 4,287											
Obsego. 73 48 20 5 2,239 7,012 10,497 669 1,332 5,062 Putnam. 32 26 5 1 482 1,842 2,512 136 176 551 Queens (Queens Borough) 2,765 1,810 707 248 126,387 517,086 950,637 30,938 97,013 582,269 Rensselaer. 206 133 39 34 12,965 45,690 95,974 2,583 15,190 74,288 Richmond (Richmond Borough) 199 114 68 17 10,782 44,282 112,552 4,076 10,620 94,817 Rockland 151 91 47 13 11,052 44,338 138,836 5,193 7,893 33,255 St. Lawrence 127 87 24 16 9,960 41,287 75,611 3,716 8,253 41,951 Saratoga. 127 83 22 22 8,04	Orleans	52	31	15	6	2,216	7,301	17,240	853	2,306	9,375
Putnam 32 26 5 1 482 1,842 2,512 136 176 551 Queens (Queens Borough) 2,765 1,810 7077 248 126,6387 517,086 950,637 30,938 97,013 582,268 Richmond (Richmond Borough) 199 114 68 17 10,782 44,282 112,552 4,076 10,620 94,817 Richmond (Richmond Borough) 199 114 68 17 10,782 44,282 112,552 4,076 10,620 94,817 Richmond (Richmond Borough) 199 114 68 17 10,782 44,282 112,552 4,076 10,620 94,817 Richmond (Richmond Borough) 199 114 68 17 10,782 44,383 138,836 5,198 7,893 32,255 St. Lawrence 127 83 22 22 8,042 29,308 50,258 4,766 7,397 37,498 50,258 13,193 47,951	Otsego										
Renselaer. 206 133 39 34 12,965 45,690 95,974 2,583 15,190 74,288 Richmond (Richmond Borough) 199 114 68 17 10,782 44,282 112,552 4,076 10,620 94,817 Rockland 151 91 47 13 11,052 44,338 138,836 5,198 7,693 53,255 St. Lawrence 127 87 24 16 9,960 41,287 75,611 3,716 8,253 41,951 Saratoga 127 83 22 22 8,042 29,308 50,258 4,766 7,397 37,498 Schenectady 138 95 15 28 36,281 185,567 329,131 34,902 33,925 133,347 Schorarie 37 27 8 2 769 2,257 3,212 2,537 700 3,437 Schuyler 22 16 2 4 1,173 5,006 9,722 655 1,156 6,890 Seneca 35 18 10 7 3,326 13,886 27,488 2,514 2,665 10,798 Steuben 113 73 26 14 14,122 53,728 111,278 5,262 11,596 55,447 Suffolk 567 407 137 23 41,145 196,920 345,186 6,474 13,213 49,115 Sullivan 107 97 9 1 781 2,202 4,529 288 487 2,595 Tioga 49 35 8 6 1,519 4,546 8,292 289 1,185 4,833 Tompkins 71 54 10 7 4,506 16,806 29,988 1,386 4,728 21,527 Ulster 240 164 56 20 11 4,320 15,688 27,779 1,994 4,074 19,549 Warren 96 65 20 11 4,826 18,152 40,293 1,993 5,054 22,991 Wayne 105 74 20 11 4,826 18,152 40,293 1,993 5,054 22,991 Wayne 105 74 20 11 4,826 18,152 40,293 1,993 5,054 22,991 Wayne 105 74 20 11 4,826 18,152 40,293 1,993 5,054 22,991 Wayne 112 72 30 10 5,841 20,669 28,869 2,984 4,501 23,454 Westchester 1,220 784 344 92 52,724 215,089 432,607 16,682 46,761 23,459							1,842			176	
Richmond (Richmond Borough) 199 114 68 17 10,782 44,282 112,552 4,076 10,620 94,817 Rockland 151 91 47 13 11,052 44,338 138,836 5,198 7,893 53,255 St. Lawrence 127 87 24 16 9,960 41,287 75,611 3,716 8,253 41,951 Saratoga 127 83 22 22 8,042 29,308 50,258 4,766 7,397 37,498 Schorarie 138 95 15 28 36,281 185,567 329,131 34,902 33,925 133,347 Schorarie 22 16 2 4 1,173 5,006 9,722 655 1,156 6,890 Seneca 35 18 10 7 3,326 13,886 27,488 2,514 2,665 10,798 Steuben 113 73 26 14 14,122 <td< td=""><td>Queens (Queens Borough)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Queens (Queens Borough)										
Rockland											
Saratoga 127 83 22 22 8,042 29,308 50,258 4,766 7,397 37,498 Schenectady 138 95 15 28 36,281 185,567 329,131 34,902 33,925 133,347 Schorarie 2 78 2 799 2,257 3,212 2,537 770 3,347 Schuyler 22 16 2 4 1,173 5,006 9,722 655 1,156 6,890 Seneca 35 18 10 7 3,226 13,886 27,488 2,514 2,665 10,798 Steuben 113 73 26 14 1,122 53,728 111,778 5,262 11,596 55,749 Suffolk 567 407 137 23 41,455 196,920 345,186 6,474 13,213 49,115 Sullivan 107 97 9 1 781 2,202 4,529 288	Rockland	151	91	47	13	11,052	44,338	138,836	5,198	7,893	53,255
Schenectady 138 95 15 28 36,281 185,567 329,131 34,902 33,925 133,347 Schourie 37 27 8 2 769 2,257 3,212 2,537 770 3,437 Schuyler 22 16 2 4 1,173 5,006 9,722 655 1,156 6,890 Senea 35 18 10 7 3,326 13,886 27,488 2,514 2,665 10,798 Steuben 113 73 26 14 14,122 53,728 111,778 5,262 11,596 55,447 Suffolk 567 407 137 23 41,145 196,920 345,186 6,474 13,213 49,115 Sulfval 107 97 9 1 781 2,022 4,529 288 487 2,595 Tioga 49 35 8 6 1,519 4,546 8,292 289											
Schorarie 37 27 8 2 769 2,257 3,212 2,537 770 3,437 Schuyler 22 16 2 4 1,173 5,006 9,722 655 1,156 6,890 Seneca 35 18 10 7 3,326 13,886 27,488 2,514 2,665 10,798 Steuben 113 73 26 14 14,122 53,728 111,278 5,262 11,596 55,447 Sulfivan 567 407 137 23 41,45 196,920 345,186 6,474 13,213 49,115 Sulfivan 107 9 9 1 781 2,202 4,529 288 487 2,595 Tioga 49 35 8 6 1,519 4,546 8,292 289 1,185 4,833 Tompkins 71 54 10 7 4,506 16,806 29,988 1,386	Saratoga										
Seneca 35 18 10 7 3,326 13,886 27,488 2,514 2,665 10,798 Steuben 113 73 26 14 14,122 53,728 111,278 5,262 11,596 55,447 Suffolk 567 407 137 23 41,145 196,920 345,186 6,474 13,213 49,115 Sulliven 107 97 9 1 781 2,202 4,529 288 487 2,995 Tioga 49 35 8 6 1,519 4,546 8,292 289 1,185 4,833 Tompkins 71 54 10 7 4,506 16,806 29,988 1,388 4,728 21,827 Ulster 240 164 56 20 9,185 28,559 46,154 1,861 7,412 24,760 Warren 96 65 20 11 4,320 15,688 27,779 1	Schorarie	37	27	8	2	769	2,257	3,212	2,537	770	3,437
Steuben. 113 73 26 14 14,122 53,728 111,278 5,262 11,596 55,447 Suffolk. 567 407 137 23 41,45 196,920 345,186 6,474 13,213 49,115 Sullivan 107 97 9 1 781 2,202 4,529 28 487 2,955 Tloga 49 35 8 6 1,519 4,546 8,292 289 1,185 4,833 Tompkins 71 54 10 7 4,506 16,806 29,988 1,386 4,728 21,827 Ulster 240 164 56 20 91,85 28,559 46,154 1,861 7,412 24,760 Warren 96 65 20 11 4,826 18,152 40,293 1,994 4,074 19,849 Wayne 105 74 20 11 4,826 18,152 40,293 1,993 5,054 22,991 Westchester 1,220 784 344											
Suffolk. 567 407 137 23 41,145 196,920 345,186 6,474 13,213 49,115 Sullivan 107 97 9 1 781 2,020 4,529 288 487 2,155 Tloga 49 35 8 6 1,519 4,546 8,292 289 1,185 4,833 Tompkins 71 54 10 7 4,506 16,806 29,988 1,386 4,728 21,827 Ulster 240 164 56 20 91,85 28,559 46,154 1,861 7,412 24,760 Warren 96 65 20 11 4,320 15,688 27,779 1,994 4,074 19,849 Washington 105 74 20 11 4,826 18,152 40,293 1,993 5,054 22,991 Wayne 112 72 30 10 5,841 20,669 28,869 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td>-</td><td></td><td></td></t<>						1			-		
Tioga. 49 35 8 6 1,519 4,546 8,292 289 1,185 4,533 Tompkins. 71 54 10 7 4,506 16,806 29,988 1,388 4,728 21,827 Ulster. 240 164 56 20 9,185 28,559 46,154 1,861 7,412 24,760 Warren. 96 65 20 11 4,320 15,688 27,779 1,994 4,074 19,849 Wayne. 105 74 20 11 4,826 18,152 40,293 1,993 5,054 22,991 Wayne. 112 72 30 10 5,841 20,669 28,869 2,984 4,501 23,454 Westchester 1,220 784 344 92 52,724 215,089 432,607 16,682 46,761 269,484 Wyoming. 61 38 14 9 2,720 8,689 17,191<	Suffolk	567	407	137	23	41,145	196,920	345,186	6,474	13,213	49,115
Tompkins 71 54 10 7 4,506 16,806 29,988 1,388 4,728 21,827 Ulster 240 164 56 20 9,185 28,559 46,154 1,861 7,412 24,760 Warren. 96 65 20 11 4,320 15,688 27,779 1,994 4,074 19,849 Washington 105 74 20 11 4,826 18,152 40,293 1,993 5,054 22,991 Wayne 112 72 30 10 5,841 20,669 28,869 2,984 4,501 23,454 Westchester 1,220 784 344 92 52,724 215,089 432,607 16,682 46,761 269,484 Wyoming 61 38 14 9 2,720 8,689 17,191 947 3,138 13,594 Yates. 36 23 11 2 1,104 3,618 5,196 506 1,054 3,409											
Ulster 240 164 56 20 9,185 28,559 46,154 1,861 7,412 24,760 Warren. 96 65 20 11 4,320 15,688 27,779 1,994 4,074 19,849 Washington. 105 74 20 11 4,826 18,152 40,293 1,993 5,054 22,991 Wayne. 112 72 30 10 5,841 20,669 28,869 2,984 4,501 23,454 Westchester 1,220 784 344 92 52,724 215,089 432,607 16,682 46,761 269,484 Wyoming. 61 38 14 9 2,720 8,689 17,191 947 3,138 13,594 Yates. 36 23 11 2 1,104 3,618 5,196 506 1,054 3,409											
Warren. 96 65 20 11 4,320 15,688 27,779 1,994 4,074 19,649 Washington. 105 74 20 11 4,826 18,152 40,293 1,993 5,054 22,991 Wayne. 112 72 30 10 5,841 20,669 28,869 2,984 4,501 23,454 Westchester 1,220 784 344 92 52,724 215,089 432,607 16,682 46,761 269,484 Wyoming. 61 38 14 9 2,720 8,689 17,191 947 3,138 13,594 Yates. 36 23 11 2 1,104 3,618 5,196 506 1,054 3,409			164			9,185	28,559	46,154	1,861	7,412	24,760
Wayne 112 72 30 10 5,841 20,669 28,869 2,984 4,501 23,454 Westchester 1,220 784 344 92 52,724 215,089 432,607 16,682 46,761 269,484 Wyoming. 61 38 14 9 2,720 8,689 17,191 947 3,138 13,594 Yates. 36 23 11 2 1,104 3,618 5,196 506 1,054 3,409	Warren					4,320	15,688	27,779	1,994	4,074	19,849
Westchester. 1,220 784 344 92 52,724 215,089 432,607 16,682 46,761 269,484 Wyoming. 61 38 14 9 2,720 8,689 17,191 947 3,138 13,594 Yates. 36 23 11 2 1,104 3,618 5,196 506 1,054 3,409	Wayne			30	10	5,841	20,669	28,869	2,984	4,501	23,454
Yates			784	344		52,724		432,607	16,682		269,484
										3,138	13,594
		26	23	11	2	1,104	2,618	2,196	506	1,004	2,409

^{...}Represents zero.

¹For definitions of standard metropolitan areas and the central administrative office and auxiliary unit employment and payrolls for these areas, see Table 3 footnotes.



1954 Census of Manufactures

July 1956

Series:

MC-S32

NORTH CAROLINA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	6,653	5,321	+25
1-19 employees	do	4,294 1,454 905	3,311 1,218 792	(1) +19 +14
All employees ² Number. Payroll.	Thousands Million dollars	426.8 1,151.8	381.4 758.8	+12 +52
Value added by manufacture		2,197.5 130.1	1,646.0 137.6	+34 -5

¹See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 5.0 thousand employees with a payroll of \$28.2 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments. -- A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

Payroll.--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis. these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

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Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

						1954				1947	
Ind.	Ms.jor industry	Total	Number	of eatabl with—	ishments	All em	ployeea ^l	Vslue	Capitsl	All	Vslue
group	group	number of estab- liahments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- fscture (\$1,000)
	All industries, total*	6,653	4,294	1,454	905	426,830	1,151,799	2,197,461	130,056	381,438	1,646,030
20	Food and kindred products ² Tobacco manufactures Textile mill products	845	547	242	56	24,737	72,949	154,001	10,334	16,716	78,430
21		58	1	15	42	26,146	77,086	390,064	11,494	32,452	257,986
22		1,023	217	317	489	214,559	545,191	829,131	43,524	210,350	846,280
23	Apparel and related products	208	63	82	63	26,827	54,266	88,413	2,342	16,644	43,852
24	Lumber and wood products ³	2,485	2,139	302	44	32,258	62,729	100,063	5,975	31,087	84,127
25	Furniture and fixtures	429	218	121	90	31,809	86,884	139,698	4,323	27,858	102,447
26	Pulp, paper, and products Printing and publishing Chemicals and products	67	20	28	19	9,721	38,880	91,424	7,438	7,859	47,395
27		430	347	72	11	7,506	27,333	45,428	1,775	5,297	25,369
28		217	136	68	13	11,496	43,721	103,854	10,177	9,490	58,607
31	Leather and leather products	35	23	7	5	1,383	3,988	5,755	152	1,623	10,756
32	Stone, clay, and glass products	235	151	71	13	6,975	19,943	33,964	3,722	5,611	19,019
33	Primary metal products	40	23	15	2	2,205	8,175	13,487	946	2,065	6,643
34	Fabricated metal products	136	96	26	14	4,949	17,546	32,743	2,376	2,785	11,749
35	Machinery, except electrical	211	142	54	15	6,362	22,255	36,589	2,047	3,954	17,416
37	Transportation equipment	58	41	11	6	4,929	18,829	39,336	630	1,231	5,218
38 39	Instruments and related products Miscellaneous manufactures ⁴	17 104	15 85	17	2 2	789 1,720	2,654 4,194	4.350 7,241	151 1,966	(*) 969	199 2,854

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

.Represents zero.

...Represents zero.

¹In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliary in the stablishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of North Carolina reported 4,917 employees with a total payroll of \$28,198 thousand. Comparable data for 1947 are not available.

²The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made for the Importance of these establishments for individual States.

³1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual States.

small mills for individual States.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.) (Establishments which Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

(See text for explanation of column captions) 1954 194											
		Number	of establ	ishments	All em	ployees	Value	Capital		Value	
Standard metropolitan area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)	
North Carolina, total	6,653	4,294	1,454	905	426,830	1,151,799	2,197,461	130,056	381,438	1,646,030	
STANDARD METROPOLITAN AREAS 1											
Asheville ² . Charlotts ³ Durham ⁴ . Greensboro-High Point ⁵ . Raleigh ⁶ . Winston-Salem ⁷ .	165 385 123 513 168 189	112 218 77 294 118 105	35 117 25 133 34 47	18 50 21 86 16 37	11,075 21,511 13,270 37,608 6,045 30,050	35,041 68,689 40,118 104,376 17,016 96,835	54,867 127,948 142,657 170,166 25,889 304,383	6,911 5,572 7,320 8,235 9,406 18,882	11,942 18,200 16,159 28,843 4,002 27,368	56,697 80,465 101,002 125,935 15,499 177,425	
COUNTIES											
Alamance. Alexander. Alleghany. Anson. Ashe.	152 38 9 57 34	63 30 6 45 27	54 4 ••• 7 5	35 4 3 5 2	18,190 1,027 509 1,552 540	55,693 2,408 839 3,732 1,032	103,517 3,309 1,070 5,352 1,723	3,716 · 322 (*) 166 158	15,930 1,049 96 1,672 173	76,454 3,444 165 5,568 657	
Avery Beaufort Bertie Bertie Bladen Brunswick	17 61 49 68 30	13 47 42 64 24	3 13 4 3 4	1 3 1 2	336 1,098 895 802 485	612 2,252 1,949 1,682 1,213	1,150 3,754 3,361 2,879 2,547	(*) 330 214 535 189	189 872 457 1,621 730	272 3,176 1,252 5,404 3,806	
Buncombe Burke Cabarrus Caldwell Camden	165 103 65 80 6	112 59 33 37 6	35 21 14 18	18 23 18 25	11,075 8,476 22,092 7,782 (*)	35,401 22,646 55,243 20,404 (*)	54,867 36,694 76,519 33,422 (*)	6,911 3,279 (*) 1,102 (*)	11,942 7,201 22,525 8,083 (*)	56,697 25,041 106,016 29,766 (*)	
Carteret Caswell Catavba Chatham Cherokee	38 16 288 100 25	30 14 137 78 15	6 2 116 11 8	2 35 11 2	950 200 15,380 3,304 910	2,381 551 35,922 8,193 1,968	3,235 681 59,072 13,802 2,777	280 (*) 3,765 1,149 187	808 179 12,931 1,853 301	1,853 686 40,966 5,220 807	
Chovan Clay. Cleveland Columbus Craven	15 5 76 50 62	12 4 37 33 39	2 1 19 13 20	1 20 4 3	423 (*) 7,970 2,050 1,862	913 (*) 20,363 5,690 4,333	1,293 (*) 27,505 13,465 6,857	(*) (*) 1,587 1,628 692	640 (*) 7,923 847 1,129	1,648 (*) 34,357 2,165 3,931	
Cumberland Currituck Dare Davidson Davie	75 11 8 183 34	43 9 7 111 27	20 2 1 42 3	12 30 4	4,304 116 (*) 13,640 1,923	10,302 254 (*) 34,632 4,804	17,016 345 (*) 53,286 7,532	839 (*) (*) 2,450 489	3,400 24 (*) 11,449 1,122	12,382 44 (*) 42,629 4,545	
Duplin. Durham. Edgecombe Forsyth Franklin.	48 123 53 189 41	39 77 33 105 33	6 25 13 47 6	3 21 7 37 2	1,138 13,270 2,446 30,050 1,236	2,637 40,118 6,143 96,835 2,858	5,260 142,657 10,442 304,383 3,425	169 7,320 526 18,882 166	679 16,159 1,594 27,368 1,152	2,021 101,002 5,448 177,425 4,226	
Gaston. Catea. Craham. Cranville. Creene.	217 23 9 40 9	95 20 7 30 9	46 3 1 6	76 1 4	26,837 213 (*) 1,382 (*)	68,565 358 (*) 2,970 (*)	113,541 719 (*) 4,973 (*)	(*) 43 (*) 222 (*)	29,607 320 (*) 864 (*)	123,378 710 (*) 5,330 (*)	
Guilford Halifax Harnett Hayood Henderson	513 85 56 35 49	294 60 45 21 28	133 16 9 8 16	86 9 2 6 5	37,608 5,713 2,632 4,961 2,348	104,376 14,075 5,773 20,930 6,221	170,166 23,244 9,071 48,436 9,641	8,235 1,607 418 4,750 603	28,843 5,688 2,296 4,405 1,739	125,935 21,930 11,112 22,221 5,403	
Hertford Hoke. Hyde. Iredell Jackaon.	38 12 9 132 18	30 6 8 68 15	7 5 1 40 1	1 1 24 2	1,030 1,062 (*) 9,349 (*)	2,274 2,811 (*) 23,626 (*)	3,704 4,984 (*) 37,397 (*)	294 (*) (*) 2,003 (*)	1,014 253 (*) 8,651 (*)	2,196 894 (*) 34,605 (*)	
Johnston Jones Lee Lenoir Lincoln	66 12 89 50	48 11 64 27 42	10 1 17 14 10	8 8 9	2,546 (*) 3,472 4,235 2,509	5,372 (*) 8,434 14,257 5,453	8,071 (*) 14,420 39,691 8,063	357 (*) 1,237 3,337 272	2,181 (*) 1,865 2,271 3,350	7,336 (*) 5,398 6,449 10,397	
McDowell Macon Mad Ason Martin Mecklenburg	51 26 15 39 385	26 23 13 30 218	18 2 2 6 117	7 . 1 3 50	5,026 369 154 907 21,511	13,276 833 328 1,946 68,689	23,811 1,486 712 3,324 127,948	1,078 93 (*) 85 5,572	3,185 351 55 1,374 18,200	11,213 1,183 85 8,395 80,465	

For footnotes, sec end of table.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

(See text for explanation of column captions)										
					1954				19	47
Standard metropolitan	Total	Number	of establ with—		All emp	ployees	Value added by	Capital expendi-	All	Value added by
srea and county	number of estab- lishments	em-	20-99 em-	100 or more em-	Number	Psyroll	manu- facture	tures,	employees, number	manu- facture
	lishments	ployees	ployeea	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
COUNTIESContinued										
Mitchell	27 97	17 81	8	2 7	927 3,392	1,9 14 6,651	3,381 10,597	120 279	705 2,370	1,404 5,953
Moore	89	73	12	4	2,657	6,648	10,925	221	2,466	7,762
Nash	68	40	20	8	3,906	9,649	21,515	811	2,998	11,005
New Hanover	101	63	25	13	5,074	13,664	25,251	1,389	3,329	13,366
Northampton	34 13	26 11	7	1	645	1,306	2,084 550	139	515 282	1,132
Onslow Orange	38	31	2	4	150 1,631	345 3,699	6,921	252	1,598	6,371
Pamlico	16	15	1		(*)	(*)	(*)	(*)	(*)	(*)
Pssquotank	47	32	10	5	1,538	3,488	5,531	496	1,846	5,668
Pender	32	26	6		434	774	1,330	66	545	1,164
Perquimans	20 34	18 28	2	5	198	334	631	. 58 524	324	1,048
Person	57	35	15	7	2,125 1,968	4,961 4,379	7,405 7,270	383	2,231 1,923	9,650 7,029
Polk	26	20	2	4	842	1,943	2,710	58	608	2,290
Randolph	201	134	34	33	11,807	31,568	50,703	2,253	8,865	31,577
Richmond	54	36	12	6	4,349	12,130	17,760	1,478	4,081	14,372
RobesonRockingham	67 83	47 51	16 12	4 20	2,983 10,236	7,213 28,736	11,112 91,790	596 1,631	3,360 11,744	11,879 72,658
Rowan	111	72	24	15	7,838	19,627	29,633	1,631	7,835	33,757
Rutherford	80	51	14	15	7,491	18,433	31,230	2,292	6,703	30,980
Sampson	71	51	18	2	1,440	2,625	4,650	275	804	2,355
Scotland	30 64	17 44	12	9	2,852 6,976	6,728 18,273	11,698 30,305	1,208	1,999 6,627	7,402 21,544
Stokes	24	18	5	1	479	951	1,629	79	432	1,251
Surry	107	71	16	20	8,262	20,680	30,629	958	6,763	21,592
Swain	13	9	2	2	362	968	1,746	(*)	245	492
Transylvania	27	18	3	6	2,901	10,687	24,899	898	2,654	16,016
Tyrrell Union	6° 53	30	2 18	5	(*) 1,783	(*) 4,152	(*) 7,015	(*) 646	(*) 1,521	(*) 5,202
							,			
Vance Wake	28 168	16 118	8 34	4 16	2,571 6,045	6,038 17,016	9,650 25,889	480 9,406	2,736 4,002	10,747 15,499
Warren	34	27	6	1	612	1,099	1,720	137	542	1,495
Washington	18	13	2	3	(*)	(*)	(*)	(*)	(*)	(*)
Wstaugs	15	14	•••	1	172	460	1,237	(*)	46	80
Wayne	69	47	14	8	2,471	5,974	10,119	323	2,901	9,005
Wilkes	100	80	10 20	10 7	3,205 2,552	6,465 6,267	9,995 10,735	484 635	2,188 2,548	5,911 7,529
Ysdkin	39	35	4		248	462	692	53	226	905
Yancey	16	10	4	2	739	1,961	2,924	(*)	196	879

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

'In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 dats on central administrative offices and suxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Asheville. Charlotte. Durham Greensboro-High Point. Raleigh	500-1,000 100-250 1,000-2,500	10-20 2,500-5,000 500-1,000 5,000-10,000 100-250
Winston-Sslem		5,000-10,000

(For description of central sdminiatrative offices and auxiliary units, see footnote 1 to Table 2.)

*The Asheville Standard Metropolitan Area consists of Buncombe County, North Carolina.

*The Charlotte Standard Metropolitan Area consists of Mecklenburg County, North Carolina.

*The Durham Standard Metropolitan Area consists of Durham County, North Carolina.

*The Creensboro-High Point Standard Metropolitan Area consists of Guifford County, North Carolina.

*The Raleigh Standard Metropolitan Area consists of Forsyth County, North Carolina.

*The Winston-Salem Standard Metropolitan Area consists of Forsyth County, North Carolina.

PENDER ROBESON NORTH CAROLINA (100 COUNTIES) SCOT ROCKINGHAM STOKES CHARLOTTE

STANDARD METROPOLITAN AREAS

CODE I ASHEVILLE

2 CHARLOTTE

3 DURHAM

4 GREENSBORO-HIGH POINT

5 RALEIGH

WINSTON-SALEM

LEGEND

• PLACES OF 25,000 TO 100,000

* PLACES OF 100,000 AND OVER

1954 Census of Manufactures

June 1956

Series:

MC-S33

NORTH DAKOTA

SUMMARY STATISTICS FOR THE STATE AND ITS COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	369	361	+2
1-19 employees		304 58	303 51	+14
All employees 1 Number	Thousands	5.6	5.2	+8
Payroll	Million dollars	19.3	12.3	+57
Value added by manufacture	do	36.9 16.3	29.4 2.3	+26 +609

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported less than 10 employees with a payroll of less than \$50 thousand in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern of firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

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<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

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Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

			1954							19	1947	
Ind.	Major industry	Total	Number of eatablishments with—		All employees 1		Value	Capital	433	Value		
group	group	number of estab- lishments	1-19 em- ployeea	20-99 em- plovees	100 or more em- ployees	'Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)	
	All industries, total*	369	304	58	7	5,625	19,262	36,914	16,252	5,209	29,431	
20 27 32 34 35	Food and kindred products ²	160 119 26 8 19	121 107 23 6 17	35 10 3 1 2	4 2 1	3,262 1,220 253 216 239	10,799 4,374 773 875 904	21,792 7,382 1,561 1,355 1,654	(*) (*) (*) (*) (*)	3,590 961 178 154 79	21,848 4,835 616 626 252	

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid diaclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.
...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garagea, and repair ahops), which serve the manufacturing eatablishments of a company rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of North Dakota reported leas than 10 employees with a total payroll of less than \$50 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual Statea.

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(The State of North Dakota contains no standard metropolitan areas.)

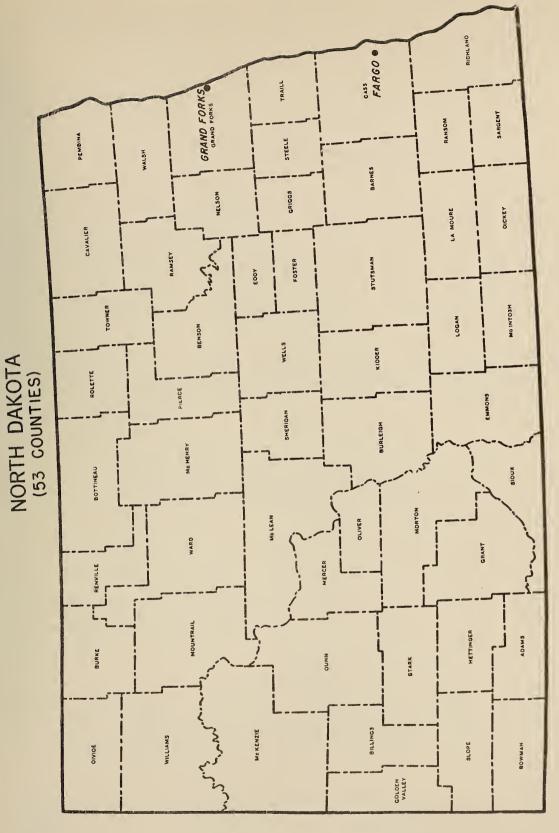
NORTH DAKOTA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

		19	47							
Č4		Number	of establ	ishments	All em	ployees	Value	Capital		Value
Štandard metropolitan area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
North Dakota	369	304	58	7	5,625	19,262	36,914	16,252	5,209	29,431
STANDARD METROPOLITAN AREAS (None in the State)				,	.,		,,,	,		,
COUNTIES										
Adams. Barnes. Benson B111ings. Bottineau.	6 9 4 ••• 8	6 6 4 	3 1	:::	(*) 158 (*) 	(*) 473 (*) •••	(*) 1,083 (*) 	(*) (*) (*) (*)	(*) 136 (*) (*)	(*) 1,310 (*) (*)
Bowman	3	3			(*)	(*)	(*)	(*)	(*)	(*)
Burke Burleigh. Cass Cavalier.	19 60 2	13 42 2	6 14	4	385 1,871 (*)	1,373 7,071 (*)	2,615 10,799 (*)	(*) (*) (*)	275 1,748 (*)	1,626 8,362 (*)
Dickey Divide Dunn. Eddy Emmons.	4 2 1 3	4 2 1 2 4	 1	:::	(*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)
Foster Golden Valley Grand Forks Grent Griggs	4 1 26 2	3 1 18 2 3	1 6	2	(*) (*) 656 (*)	(*) (*) 2,467 (*) (*)	(*) (*) 4,706 (*) (*)	(*) (*) (*) (*) (*)	(*) (*) 924 (*) (*)	(*) (*) 6,970 (*) (*)
Hettinger. Kidder La Moure Logan.	3 1 5	3 1 4 3			(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)
McHenry	8	8	•••		(*)	(*)	(*)	(*)		(*)
McIntosh. McKenzie McLean. Mercer Morton.	5 2 7 4 16	5 2 7 4 11			(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*)
Mountrail. Nelson. Oliver Pembina. Pierce	2 7 1 3 2	2 7 1 3	 	:::	(*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) (*)
Ramsey. Ransom. Renville Richland Rolette	11 4 2 10 6	10 4 2 8 5	1 2 1	:::	134 .(*) (*) 120 (*)	433 (*) (*) 423 (*)	850 (*) (*) 510 (*)	(*) (*) (*) (*) (*)	167 (*) (*) 198 (*)	534 (*) (*) 540 (*)
Sargent. Sheridan Sloux Slope	5 3 	5 3 		:::	(*) (*) ••• (*)	(*) (*) 	(*) (*) (*)	(*) (*) ••• (*)	(*) (*) ••• (*)	(*) (*) (*) 438
Stark. Steele. Stutsman Towner. Traill.	14 5 8 2 7	10 5 4 2 . 7			203 (*) 177 (*) (*)	640 (*) 618 (*) (*)	1,032 (*) 1,154 (*) (*)	(*) (*) (*) (*) (*) (*)	163 (*) 129 (*) (*) (*)	(*) 624 (*) (*) (*)
WardWardWellaWilliams.	7 38 4 12	7 31 4 10	7 2		(*) 490 (*) 181	(*) 1,653 (*) 564	(*) 3,456 (*) 1,013	(*) (*) (*) (*)	(*) 470 (*) 96	3,528 (*) 339

^{*}Detailed figures withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for the State. ...Represents zero.

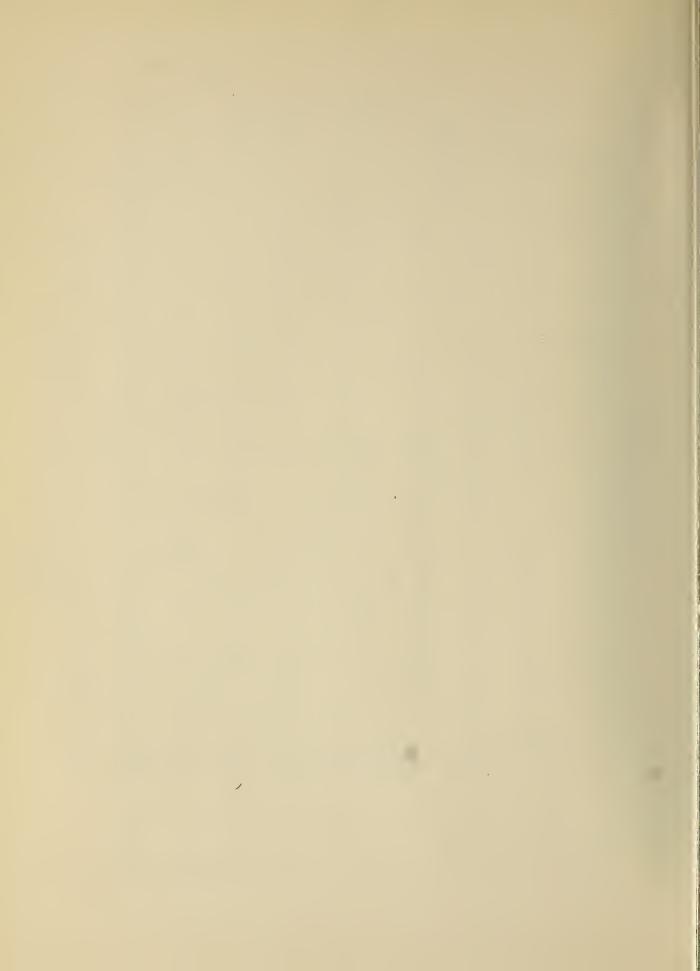


LEGEND

• PLACES OF 25,000 TO 100,000 (1950)

PLACES OF 100,000 AND OVER (1950) - NONE

STANDARD METROPOLITAN AREAS - NONE



1954 Census of Manufactures

June 1956 Series: MC-S34

OHIO

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947
(See text for explanation of items)

(See text for	explanation of it	ems)		
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	14,632	12,302	+19
1-19 employees	dododododododo	9,137 3,431 2,064	7,273 3,084 1,945	+26 +11 +6
All employees ¹ Number Payroll	Thousands Million dollars	1,270.2 5,665.9	1,194.3 3,559.5	+6 +59
Value added by manufacture	do	10,153.7 763.3	6,358.0 498.3	+60 +53

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 28.4 thousand employees with a payroll of \$183.7 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sincloir Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2.—CENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

	(dec down for experimental or obtain capations)										
			·			1954				19	47
Ind.		Total	Number	of establ with—	ishments	All em	ployees 1	Value	Capital		Value
group	Croun	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em-	Number	Payroll	added by manu- facture	expendi- turea, new	All employeea, number	added by manu- facture
			proyees	proyees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total*	14,632	9,137	3,431	2,064	1,270,157	5,665,852	10,153,718	763,251	1,194,263	6,357,957
20 21 22 23 24	Food and kindred products ² Tobacco manufactures Textile mill products. Apparel and related products. Lumber and wood products ³	2,104 17 98 466 849	1,347 9 41 281 733	560 2 23 114 102	197 6 34 71 14	82,117 1,530 11,596 26,376 10,032	333,435 3,906 42,934 77,206 33,148	683,535 9,334 84,842 115,470 51,498	39,271 162 2,966 1,990 2,296	67,011 2,671 10,868 31,291 10,565	413,243 14,504 58,183 127,753 43,728
25 26 27 28 29	Furniture and fixtures	396 273 1,732 698 114	262 78 1,334 441 65	93 91 298 169 16	41 104 100 88 33	21,615 35,526 58,854 41,596 12,460	88,862 157,946 264,267 195,101 62,016	152,838 283,310 456,809 557,231 158,396	6,966 21,803 22,527 52,470 49,543	24,339 31,674 49,943 37,231 10,959	116,840 199,107 322,283 347,226 95,811
30 31 32 33 34	Rubber products	190 100 895 651 1,836	69 56 530 245 1,080	58 17 215 203 510	63 27 • 150 203 246	71,168 13,004 65,149 170,886 123,280	318,211 38,801 263,178 788,595 549,530	472,415 60,816 _480,234 1,461,868 918,410	33,631 678 39,789 153,927 41,382	82,816 17,847 60,008 177,068 123,043	378,587 67,257 295,176 852,157 640,173
35 36 37 38 39	Machinery, except electrical Electrical machinery Transportation equipment. Instruments and related products Miacellaneous manufactures ⁴	2,481 371 377 189 795	1,608 157 148 127 526	557 84 94 40 185	316 130 135 22 84	214,643 89,853 164,681 9,617 46,165	1,036,329 386,181 800,182 40,067 185,949	1,721,294 716,129 1,400,245 63,437 305,598	123,893 29,153 124,750 2,934 13,112	226,877 91,447 94,292 9,294 35,019	1,247,946 469,927 485,086 46,174 136,796

*The sum of industry group figures may not equal the "All industries" total, due to the independent rounding of detail and total figures.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Onio reported 28,427 employees with a total payroll of \$183,717 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments sequed in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in M

small mills for individual States.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

(See text for explanation of column captions)												
						1954				1947		
Ind.			Number	of establ	ishments	All emp	ployees 1	Value	Capital		Value	
group	Major industry group	Total number of			100 or			added by	expendi-	All employees,	added by	
Code		estab-	1-19 em-	20-99 еш-	more	Number	Payroll	manu- facture	tures, new	number	manu- facture	
		lishments	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
	-			1			AKRON AREA ²					
	All industries, total*	675	453	145	77	85,933	389,227	592,982	33,927	94,011	460,327	
20	Food and kindred products3	73	44	22	7	3,361	14,717	30,333	1,035	2,874	27,799	
23 24	Apparel and related products Lumber and wood products ⁴	12 18	11 14	1		118	387	494	(*) (*)	71	242	
25	Furniture and fixtures	10	7	3 2	1	516 231	2,607 781	2,795 1,166	(*)	469 269	2,209 933	
26	Pulp, paper, and products	14	4	8	2	728	2,711	3,882	(*)	403	3,074	
27 28	Printing and publishing	81 24	64 17	16 2	1 5	1,407 2,895	7,574 12,625	13,043 42,543	1,929 3,131	1,479 3,567	9,730 29,968	
30	Rubber products	46	13	15	18	45,907	207,051	293,650	19,583	61,396	269,047	
32 33	Stone, clay, and glass products Primary metal industries	30 23	22 14	7	4 2	1,512 1,041	6,625 4,577	11,571 7,876	912 263	1,980 1,171	10,486 6,056	
34	Fabricated metal products	81	53	18	10	8,473	36,479	45,675	2,725	8,507	47,649	
35 36	Machinery, except electrical Electrical machinery	170 13	123 9	29 4	18	6,246 317	30,711 1,148	56,928 2,430	2,120 (*)	5,080	23,310	
38	Instruments and related products.	12	6	5	1	375	1,598	3,146	(*)	145	972	
39	Miscellaneous manufactures ⁵	50	39	7	4	2,764	11,156 NTON AREA ⁶	17,948	464	6,189	21,513	
	All industries, total*	459	. 276	55,564	280,241							
20	Food and kindred products ³	86	56	101	82 7	57,683 3,658	251,261	491,477 24,611	19,068 1,265	2,226	12,114	
23 24	Apparel and related products	10	7	3	• • • •	248	590	779	(*) (*)	373	630	
26	Lumber and wood products Pulp, paper, and products	11 8	8 2	2 5	1	308 453	1,182 2,162	1,556 3,177	(*)	207 269	469 1,657	
27	Printing and publishing	48	38	7	3	1,431	5,758	8,165	171	846	5,095	
28 30	Chemicals and products	19 10	12	6	1 4	604 1,381	2,578 5,909	5,930 8,491	(*) (*)	374 831	5,466 3,411	
32	Stone, clay, and glass products	35	20	7	8	3,457	14,317	21,169	1,662	2,558	12,443	
33 34	Primary metal industries	35	11 33	4	20 12	18,882	86,647	203,536	9,077 2,026	19,974	90,823	
35	Fabricated metal products Machinery, except electrical	62 78	54	17 11	13	5,956 15,691	25,693 69,491	53,213 121,964	2,620	6,608 16,837	29,150 92,952	
36 39	Electrical machinery Miscellaneous manufactures ⁵	9 21	5 14	1 6	3 1	1,433 560	5,674 2,284	6,542 3,418	(*) 178	526 . 456	2,213 1,823	
							INNATI AREA	3, .=0				
	All industries, total*	1,820	1,031	504	285	152,232	676,186	1,314,305	73,481	134,549	775,391	
20	Food and kindred products3	264	134	80	50	18,026	77,168	165,200	8,855	15,946	120,793	
22 23	Textile mill products	16 112	8 52	5 43	3 17	1,061 7,949	4,121 21,530	8,953 33,778	(*) 266	1,087 10,115	6,060 44,934	
24 25	Lumber and wood products ⁴ Furniture and fixtures	45 68	29 37	14 24	2 7	1,024 3,558	3,289 15,088	5,169 25,870	216 763	1,319 5,046	5,762 22,662	
26	Pulp, paper, and products	52	20	14	18	6,195	26,151	48,174	2,196	6,138	38,236	
27	Printing and publishing	287	205	54	28	12,250	50,079	83,898	3,615	11,421	62,637	
28 29	Chemicals and products Petroleum and coal products	107 9	52 4	33 2	22	11,758	60,347 9,717	196,992 23,425	8,9 <i>5</i> 7 (*)	10,198	110,117 13,027	
31	Leather and leather products	28	17	6	5	1,905	5,965	8,508	134	3,369	11,974	
32 33	Stone, clay, and glass products Primary metal industries	63 50	47 16	11 27	5 7	1,652 4,303	6,636 18,556	12,008 35,791	476 4,072	1,792 5,911	8,516 21,301	
34	Fabricated metal producta	218	123	68	27	13,870	63,602	95,671	4,407	13,465	68,519	
	Machinery, except electrical	243	145	58	40	22,172	113,869	196,595	10,201	22,281	113,334	
36 37	Electrical machinery Transportation equipment	43 27	17 7	11	15 12	8,471 21,615	34,279 108,999	71,564 212,271	828 15,348	8,440 5,468	38,246 39,232	
38 39	Instruments and related products. Miscellaneous manufactures5	29	19	6	4	2,139	8,867	12,477	322	2,646 8,607	15,460 32,507	
ا "	Historianeous mandracoures	147 90 39 18 11,896 46,455 74,919 4,925 CLEVELAND AREA ⁸								0,007	. 22,307	
	All industries, total*	3,780	2,413	891	476	292,103	1,380,627	2,404,708	217,826	268,232	1,543,911	
20	Food and kindred products3	297	176	83	38	15,077	68,552	129,605	6,798	12,041	71,230	
22	Textile milla products	37 164	19 109	7 32	11 23	4,504 10,479	14,673 34,204	28,533 48,081	585 5 3 9	4,576 12,419	28,445 56,602	
24	Lumber and wood products4	60	44	15	1	1,165	4,456	5,956	221	1,529	6,465	
	Furniture and fixtures	116	84	23	9	4,751	19,877	36,745 29,948	1,899	4,001 3,086	18,007 16,755	
26 27	Pulp, paper, and products Printing and publishing	49 461	22 354	14 85	13 22	4,214 14,096	19,491 69,922	113,049	4,413 2,627	12,179	74,210	
28 29	Chemicala and producta Petroleum and coal producta	251 38	165 19	55 11	31 8	15,199 2,958	70,665 14,095	162,496 29,159	11,673 5,026	14,056 3,377	123,162 25,520	
	Rubber producta	18	9	6	3	2,165	10,270	16,773	(*)	2,051	9,128	
32	Stone, clay, and glass products	103	70	26	7	3,029	13,410	25,112	1,588	2,745	16,594	
33 34	Primary metal industries	/ 189 649	72 397	60 180	57 72	40,097 34,546	190,057 160,773	355,752 244,911	33,064 10,386	43,126 32,904	219,272 185,580	
35	Machinery, except electrical	824	568	177	79	46,484	241,399	413,020	45,049	54,165	334,104	
36 37	Electrical machinery Transportation equipment	132 111	61 42	31 26	40 43	20,744 58,864	95,466 292,013	159,727 502,774	6,523 83,652	23,293 35,094	132,369 192,024	
38	Instruments and related products.	57	40	12	5	2,860	12,909	19,061	874	2,399	12,310	
	Miacellancoua manufacturea5	211	149	48	14	10,800	48,190	83,717	1,657	4,765	20,614	

For footnotca, age end of table.

Table 3.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947--Continued

(See text for explanation of column captions)

	(See text for explanation of column captions)										
						1954				19	47
Ind.			Number	of establ	iahments	All emi	ployees 1				
group	Major industry group	Total		with—	100			Value added by	Capital expendi-	All	Value added by
code		number of estab-	1-19	20-99	100 or more	.,	D	manu-	tures,	employeea,	manu-
		lishments	em- ployeea	em- ployees	em-	Number	Payroll	facture	new		facture
				-	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
						COL	UMBUS AREA9			r	
	All industries, total*	793	495	199	99	72,661	313,499	580,089	34,886	54,925	277,964
20 23	Food and kindred products ³ Apparel and related products	123 33	67 24	35 5	21	8,560 971	35,481 2,492	85,630	3,098 86	7,496 1,296	40,513
25	Furniture and fixturea	35	28	6	4 1	700	3,065	3,871 4,429	662	733	4,773 3,215
26 27	Pulp, paper, and products Printing and publishing	16 117	4 89	6 21	6 7	1,199 4,145	4,885 19,418	8,561 31,408	(*) 4 , 785	1,053 3,215	5,459 18,737
28	Chemicals and products	46	30	11	5	1,760	6,966	15,943	641	1,739	12,315
31	Leather and leather products	17	7	5	5	2,221	6,533	9,643	(*)	2,688	8,616
32 33	Stone, clay, and glsss products Primary metal industries	48 24	29 13	16	3 5	3,468 2,455	14,079 10,394	28,664 11,600	1,448 1,303	2,628 3,940	11,80 7 17,364
34	Fabricated metal products	93	54	27	12	10,578	46,746	84,484	6,456	7,907	39,385
	Machinery, except electrical	109	63	34	12	13,387	55,882	87,863	13,464	12,277	72,651
36 37	Electrical machinery Transportstion equipment	8 21	5 11	1 4	2 <u> </u> 6	683 17 , 157	3,191 81,575	4,877 160,316	(*) 574	711 4,646	2,654 17,608
38 39	Instruments and related products. Miscellaneous manufactures ⁵	14 i 47	6 32	10	4 5	1,509	6,809	9,986	(*)	1,530	7,030
29	Miscellaneous mandiactures	47	32	10		2,216	8,451 TON AREA ¹⁰	14,814	592	1,614	6,068
	All industries, total*	776	484	194	98	97,417	465,604	748,146	48,806	95,347	496,380
20	Food and kindred products ³	87	53	21	13	4,397	18,950	38,800	2,681	3,218	22,094
23	Apparel and related products	13	10	2	1	230	586	797	(*)	396	1,428
25 26	Furniture and fixtures Pulp, paper, and products	20 19	16 3	2 7	2	520 2,973	1,797 12,436	2,666 22,032	431 (*)	281 2,609	1,259 13,551
27	Printing and publishing	97	67	19	11	8,688	41,236	72,882	4,456	7,934	58,901
28	Chemicals and products	40	25	11	4	1,288	5,424	11,568	324	1,233	11,842
32 33	Stone, clay, and glass products Primary metal industries	29 35	20 14	4 16	5 5	1,379 3,422	6,587 15,749	14,365 20,970	833 1,632	1,001 3,030	5,481 12,249
34	Fabricated metal products	76	56	19	1	1,173	5,218	8,391	51.3	3,248	15,130
35	Machinery, except electrical	202	125	58	19	42,917	217,026	309,233	21,571	41,566	204,010
36 37	Electrical machinery Transportation equipment	22 29	10 16	6	8 7	12,471 8,609	55,931 42,697	96,601 77,684	3,618 5,858	14,483	68,958 44,462
38 39	Instruments and related products. Miscellaneous manufactures ⁵	14 48	12 33	2 11	4	(*) 1,559	(*) 5,885	(*) 9,352	(*) 520	(*) 1,451	(*) 6,340
29	rascerraneous manufactures	40	33				LEDO AREA ¹¹	7,222	720	1,401	0,540
	All industries, total*	714	454	155	105	62,002	298,617	536,474	30,246	70,588	393,578
20	Food and kindred products3	83	41	26	16	4,522	19,778	37,324	2,850	3,934	20,816
23	Apparel and related products	22	14	6	2	842	2,518	3,370	15	1,417	5,407
24 25	Lumber and wood producta4 Furniture and fixtures	23 17	15 12	6	2	633	3,269 2,733	6,728 3,284	166 (*)	595 576	2,680 2,721
26	Pulp, paper, and products	15	7	2	6	1,174	4,714	8,468	(*)	643	3,666
27 28	Printing and publishing	86 41	71 28	13	2 4	1,881 1,488	10,294 7,619	15,699 22,690	576 735	1,556 1,521	10,112 13,608
29	Chemicals and products Petroleum and coal products	8	2	•••	6	2,772	15,551	46,725	(*)	1,945	25,484
32 33	Stone, clay, and glasa products Primary metal industries	33 31	22 10	7 12	4 9	3,711 5,025	18,117 27,069	57,626 39,816	1,000 996	3,146 5,402	27,849 32,251
34	Fsbricated metal products	108	68	25	15	5,858	27,228	43,379	1,543	7,528	37,319
35	Machinery, except electrical	131	. 93	21	17	10,837	51,158	89,249	2,454	12,373	63,020
36 37	Electrical machinery Transportation equipment	18 27	11	4 6	3 8	7,254	37,653 53,798	62,213	(*) 3,564	11,675	60,112 73,897
38	Instruments and related products.	10 46	6	4		305	1,193	2,669 11,282	(*)	482 1,066	2,443
39	Miscellaneous manufsctures	46	35	. 8	3	1,808	7,387		300	1,000	4,023
	All industries, total*	388	230	88	70	50,473	208,877	373,749	55,195	51,751	259,509
20	Food and kindred products3	97	70	23	4	2,076	7,478	12,681	2,057	1,547	6,406
	Apparel and related products Lumber and wood products ⁴	12 28	6 26	4 2	2	655 167	1,363 468	1,778 851	(*) 41	402 379	783 1,815
26	Pulp, paper, and products	16	3	10	3	1,102	3,877	7,112	(*)	1,239	8,466
27	Printing and publishing	42	36	4	2	785	2,916	5,120	232	697	3,481
28	Chemicals and products	15	8	3 15	4 15	1,628 8,708	7,058 26,366	18,940 33,566	(*) 771	942 10,168	8,939 35,603
33	Stone, clsy, and glass products Primary metal industries	55 21	25 3	4	14	23,480	113,140	204,540	33,234	22,946	129,400
34	Fabricated metsl products Machinery, except electrical	38 25	14 17	9 5	15 3	6,281	24,010 5,905	40,254 10,603	2,019 318	8,576 937	39,125 4,576
20	imonimery, except electricat	23	1 1/	٠ '	, ,,	1,274	,,,,,,	20,005	220	, ,,,,,	.,,,,

For footnotes, see end of table.

Table 3.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947--Continued

(See text for explanation of column captions)

						1954				1947	
Ind.			Number	of establ with—	ishments	All emp	ployees	Value	Capitsl	All	Value
group	Major industry group	Total number of estab-	1-19 em-	20-99 em-	100 or more	Number	Psyroll	added by manu- facture	expendi- tures,	employees,	added by msnu-
		lishments	ployees	ployees	em- ployees	Number	(\$1,000)	(\$1,000)	new (\$1,000)		facture
					proyees		(φ1,000)	(\$1,000)	(41,000)		(\$1,000)
	All industries, total*	726	437	167	122	105,024	477,998	868,058	49,262	109,021	569,388
20	Food and kindred products3	124	89	30	.5	2,697	10,530	17,107	864	1,968	9,041
23	Apparel and related products	15	9	4	2	501	1,144	1,996	(*)	620	2,030
24	Lumber and wood products	57	52	5		308	819	1,534	77	757	3,276
25	Furniture and fixtures	18	11	5	2	3,433	15,526	25,626	(*)	5,621	23,265
27	Printing and publishing	57	43	11	3	1,395	6,247	10,954	372	1,086	6,485
	Chemicals and products	17	10	7		317	1,291	3,742	(*)	323	1,952
32 -	Stone, clay, and glass products	64	47	8	9	3,119	11,155	18,569	509	2,888	12,755
	Primary metal industries	71	10	22	39	53,414	242,970	401,562	24,420	55,822	281,973
34	Fabricated metal products	129	61	48	20	11,581	53,416	101,467	3,680	9,989	62,288
	Machinery, except electrical	79	51	14	14	6,796	33,324	55,526	3,145	7,014	37,576
36	Electrical machinery	20	9	2	9	10,748	50,180	143,853	4,222	13,807	84,398
37	Transportation equipment	16	.5	2	9	6,103	30,603	49,199	(*)	4,672	20,106
39	Miscellaneous manufactures5	31	25	3	3	1,129	5,275	6,483	341	244	680

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual conpanies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garagea, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishments. ment. In 1954, the employment and payroll figures for such central administrative offices and auxiliary units of manufacturers in each standard metropolitan area are shown in the table below. Comparable data for 1947 are not available.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Akron		32,151 1,000-2,500
Cincinnati	3,202	18,355 67,314
Columbus	1,080	5,009 7,897
Toledo	3,420	22,408
Youngatown.		

The Akron Standard Metropolitan Area consiats of Summit County, Ohio.

The 1954 figures include eatablishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as mamifecturing and, therefore, was not included in the Censua figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2421) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated, that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual standard metropolitan areas.

Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Eatablishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

6The Canton Standard Metropolitan Area consists of Stark County, Ohio.

7The Cincinnati Standard Metropolitan Area consists of Hamilton County, Ohio; Campbell and Kenton Counties, Kentucky.

6The Cleveland Standard Metropolitan Area consists of Franklin County, Ohio.

9The Columbus Standard Metropolitan Area consists of Franklin County, Ohio.

The United Standard Metropolitan Area consists of Greene and Montgomery Counties, Ohio.,

11 The Dayton Standard Metropolitan Area consists of Greene and Montgomery Counties, Ohio.,

12 The Wheeling-Steubenville Standard Metropolitan Area consists of Belmont and Jefferson Counties Ohio; Brooke, Hancock, Marshall, and Ohio Counties, West Virginia.

13 The Youngstown Standard Metropolitan Area consists of Mahoning and Trumbull Counties, Ohio; Mercer County, Pennsylvania.

(See text for explanation of column captions)

(See text for explanation of column captions) 1954 1947									47	
	Number of eatabliahmenta			All employees Value			Capital	Value		
Standard metropolitan area and county	Total number of	1-19	20-99	100 or			added by	expendi- turea,	All employeea,	added by manu-
	estab- lishments	em- ployees	em- ployees	more em-	Number	Payroll	facture	new	number	facture
				ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
Ohio, total	14,632	9,137	3,431	2,064	1,270,157	5,665,852	10,153,718	763,251	1,194,263	6,357,957
STANDARD METROPOLITAN AREAS ¹										
Akron ² Canton ²	675	453	145	77	85,933	389,227	592,982	33,927	94,011	460,327
	459	276	101	82	57,683	251,261	491,477	19,068	55,564	280,241
Cincinnati area, total ²	1,820	1,031	504	285	152,232	676,186	1,314,305	73,481	134,549	775,391
	1,664	930	467	267	142,846	637,086	1,236,141	66,993	125,329	727,798
	156	101	37	18	9,386	39,100	78,164	6,488	9,220	47,593
Cleveland ²	3,780	2,413	891	476	292,103	1,380,627	2,404,708	217,826	268,232	1,543,911
Columbus ²	793	495	199	99	72,661	313,499	580,089	34,886	54,925	277,964
Dayton ² .	776	484	194	98	97,417	465,604	748,146	48,806	95,347	496,380
Hamilton-Middletown ³ .	181	91	38	52	30,912	148,749	300,240	19,664	27,047	137,406
Huntington-Ashland.	284	180	59	45	24,642	98,650	205,673	. 29,969	22,187	120,562
Portion in Ohio.	45	24	10	11	4,750	19,255	53,307	11,048	4,180	30,046
Portion in West Virginia.	188	120	41	27	14,916	55,916	102,904	5,650	12,986	59,187
Portion in Kentucky.	51	36	8	7	4,976	23,479	49,462	13,271	5,021	31,329
Lima ⁵	136	87	27	22	14,193	56,599	97,491	10,923	14,709	73,143
Lorain-Elyria ⁶	231	147	42	42	30,150	136,316	279,626	15,351	28,980	131,638
Toledo ² .	714	454	155	105	62,002	298,617	536,474	30,246	70,588	393,578
Springfield ² .	203	119	58	26	16,767	70,173	133,257	3,174	19,446	113,247
Wheeling-Steubenville ²	388	230	88	70	50,473	208,877	373,749	55,195	51,751	259,509
	171	111	35	25	16,293	66,772	121,717	12,551	14,783	72,689
	217	119	53	45	34,180	142,105	252,032	42,644	36,968	186,820
Youngstown Portion in Ohio Portion in Pennsylvania	726	437	167	122	105,024	477,998	868,058	49,262	109,021	569,388
	582	343	132	107	85,735	389,659	680,665	42,254	88,035	445,861
	144	94	35	15	19,289	88,339	187,393	7,008	20,986	123,527
COUNTIES										
Adams.	19	16	2	1	283	697	1,350	(*)	294	919
Allen.	136	87	27	22	14,193	56,599	97,491	10,923	14,709	73;143
Ashland	58	30	13	15	5,445	21,581	33,473	1,749	4,306	28,086
Ashtabula.	168	106	39	23	8,933	38,248	69,727	14,946	7,096	38,775
Athens.	41	32	6	3	2,003	8,905	12,118	648	831	4,504
Auglaize Belmont Brown Butler Carroll	59	33	16	10	4,250	16,969	30,612	1,157	3,969	16,729
	86	61	14	11	4,360	14,612	23,516	2,800	4,627	19,037
	20	16	1	3	832	2,242	4,546	200	618	1,726
	181	91	38	52	30,912	148,749	300,240	19,664	27,047	137,406
	28	12	10	6	1,939	7,203	10,555	485	1,179	5,293
Champaign. Clark. Clermont. Clinton. Columbiana.	29	16	7	6	1,695	7,180	12,521	552	1,360	8,560
	203	119	58	26	16,767	70,173	133,257	3,174	19,446	113,247
	30	21	7	2	669	1,831	2,727	72	848	2,561
	57	40	13	4	1,783	6,748	11,004	474	1,052	4,329
	190	116	48	26	12,177	48,266	79,736	2,052	12,692	59,129
Coshocton. Crawford. Cuyaloga Darke. Defiance.	78 91 3,619 65 60	53 56 2,307 44 40	12 16 851 16 12	13 19 461 5	4,090 6,600 280,206 2,004 4,267	15,174 27,047 1,324,844 5,978 18,171	32,299 42,589 2,299,902 18,280 29,303	1,776 4,633 209,232 1,056 6,789	4,474 5,946 259,516 1,308 2, 503	22,351 33,018 1,486,070 5,595 12,936
Delaware.	35	18	13	4	1,617	6,453	17,457	485	1,102	7,708
Erie.	129	79	31	19	9,085	38,898	72,044	7,166	8,814	43,834
Fairfield	79	51	19	9	7,311	25,151	43,152	2,022	5,914	24,487
Fayette	34	18	13	3	1,141	3,874	7,693	777	1,121	3,722
Franklin.	793	495	199	99	72,661	313,499	580,089	34,886	54,925	277,964
Fulton.	63	42	18	3	2,067	6,379	13,370	332	1,854	8,621
Gallia.	14	10	4		194	703	1,023	(*)	170	525
Geauga	53	37	12	4	1,880	7,812	12,617	894	1,484	7,727
Greene.	54	33	14	7	2,574	10,842	22,895	1,723	1,679	8,625
Guernsey.	63	46	10	7	3,120	10,203	14,922	3,094	2,272	8,542
Hamilton.	1,664	930	467	267	142,846	637,086	1,236,141	66,993	125,329	727,798
Hancock.	83	53	18	12	4,746	18,562	32,204	4,156	4,585	21,495
Hardin.	38	25	10	3	1,341	4,949	11,533	595	1,294	4,436
Harrison.	30	24	5	1	1,306	3,997	5,402	46	1,024	3,465
Henry.	57	41	15	1	1,050	3,352	8,171	1,842	748	2,927
Highland	33	22	7	4	1,661	4,555	8,071	304	1,706	6,100
Hocking	38	27	7	4	1,400	4,776	8,303	333	1,471	5,911
Holmes	55	48	6	1	714	2,794	5,447	215	433	1,709
Huron	85	50	28	7	3,185	11,781	25,912	1,391	2,729	14,129
Jackson	53	35	9	9	1,938	6,545	10,019	592	2,181	9,009

For footnotes, see end of table.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 (See text for explanation of column captions)

	1954 1947)47
Standard metropolitan area and county		Number	Number of establishments with—		All employees		Value	Capital		Value
	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
COUNTIESContinued										
Jefferson	85	50	21	14	11,933	52,160	98,201	9,751	10,156	53,652
Knox.	43	33	5	5	3,665	16,347	28,876	1,421	4,588	23,045
Lake.	161	106	40	15	11,897	55,783	104,806	8,594	8,716	57,841
Lawrence	45	24	10	11	4,750	19,255	53,307	11,048	4,180	30,046
Licking.	98	70	13	15	8,529	36,163	70,861	6,604	7,088	31,571
Logan	43	25	11	7	1,818	6,972	15,005	516	1,077	4,359
Lorain	231	147	42	42	30,150	136,316	279,626	15,351	28,980	131,638
Lucas	714	454	155	105	62,002	298,617	536,474	30,246	70,588	393,578
Madison	14	10	3	1	439	1,566	3,033	(*)	694	3,043
Mahoning	334	206	77	51	47,770	214,442	374,243	24,842	51,445	245,384
Marion	72	40	17	15	6,706	27,728	48,541	3,223	7,231	36,837
Medina	70	50	12	8	4,511	16,581	29,845	716	4,487	18,652
Meigs	20	15	3	2	535	1,476	2,427	87	361	1,160
Mercer	54	38	11	5	3,067	10,931	22,043	879	2,106	10,826
Miami	127	65	43	19	8,478	35,279	66,218	3,092	7,965	44,606
Monroe Montgomery Worgan Morrow. Muskingum	15 722 19 17 106	15 451 14 15 66	180 2	91 3 2 23	(*) 94,843 944 (*) 10,216	(*) 454,762 3,159 (*) 37,647	(*) 725,251 5,899 (*) 67,635	(*) 47,083 (*) (*) 2,706	(*) 93,668 214 (*) 9,491	(*) 487,755 682 (*) 44,714
Noble	11	7	3	1	486	1,649	2,568	(*)	169	581
Ottawa	68	47	12	9	2,763	11,417	19,713	1,389	2,552	15,508
Paulding	20	13	6	1	657	2,401	4,348	90	614	2,033
Perry	34	15	12	7	1,958	6,075	8,834	236	1,887	7,398
Pickaway	32	19	7	6	1,867	7,061	21,452	5,422	830	4,565
Pike. Portage. Preble. Putnam. Richland.	24 110 35 35 164	22 63 25 28 102	2 30 10 3 34	17 4 28	187 8,988 656 1,973 19,735	584 38,955 1,794 7,233 88,653	987 56,287 2,653 22,037 163,025	64 1,909 379 524 11,205	45 7,234 460 540 18,663	136 32,896 1,601 2,210 118,465
Ross.	41	30	5	6	4,090	17,481	31,545	3,270	3,411	16,376
Sandusky.	106	59	26	21	7,677	31,396	61,833	6,012	6,544	35,549
Scioto.	78	46	18	14	8,475	29,967	45,925	38,093	11,934	40,023
Seneca.	96	61	19	16	7,729	32,830	71,605	4,368	8,727	49,819
Shelby.	60	33	20	7	5,318	22,724	35,652	1,728	4,136	21,933
Stark	459	276	101	82	57,683	251,261	491,477	19,068	55,564	280,241
Summit	675	453	145	77	85,933	389,227	592,982	33,927	94,011	460,327
Trumbull	248	137	55	56	37,965	175,217	306,422	17,412	36,590	200,477
Tuscaravas	155	91	32	32	8,905	34,961	58,667	3,870	8,495	41,296
Union	24	19	3	2	667	2,409	5,081	146	673	4,244
Van Wert	40	30	3	7	2,095	8,144	15,070	405	2,205	9,236
Vinton.	36	32	2	2	530	1,685	2,850	180	367	2,703
Warren	41	22	10	9	1,894	6,998	10,678	470	3,154	20,422
Washington	66	42	14	10	4,447	17,604	35,953	12,150	2,524	14,961
Wayne.	111	57	34	20	8,211	33,897	65,327	4,521	5,825	32,856
Williams	72	49	17	6	3,039	11,577	21,164	977	2,491	10,929
	94	64	23	7	6,396	34,520	68,948	17,396	5,547	43,581
	36	21	12	3	1,116	4,327	6,868	298	670	3,064

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further check-

"Detail ligures have been withheld from publication in order to (a) avoid disclosing ligures for individual companies or (b) permit further enecking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those Standard Metropolitan Areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard Metropolitan Area	Employees (number)	Payroll (\$1,000)
Hamilton-Middleton Huntington-Ashland Lima Lorain-Elyria Springfield	250 - 500 20 - 50	

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

For definitions of Standard Metropolitan Areas, and the central administrative office and auxiliary unit employment and payroll for these areas, see Table 3 footnotes.

The Hamilton-Haddletown Standard Metropolitan Area consists of Butler County, Ohio.

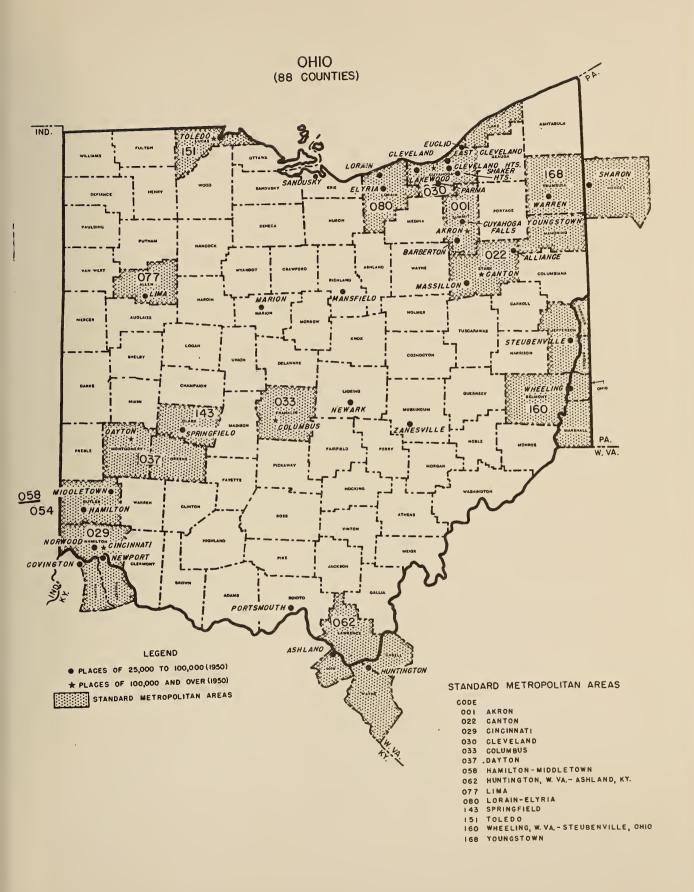
The Huntington-Ashland Standard Metropolitan Area consists of Lawrence County, Ohio; Cabella and Wayne Counties, West Virginia; and Boyd County, Vontages.

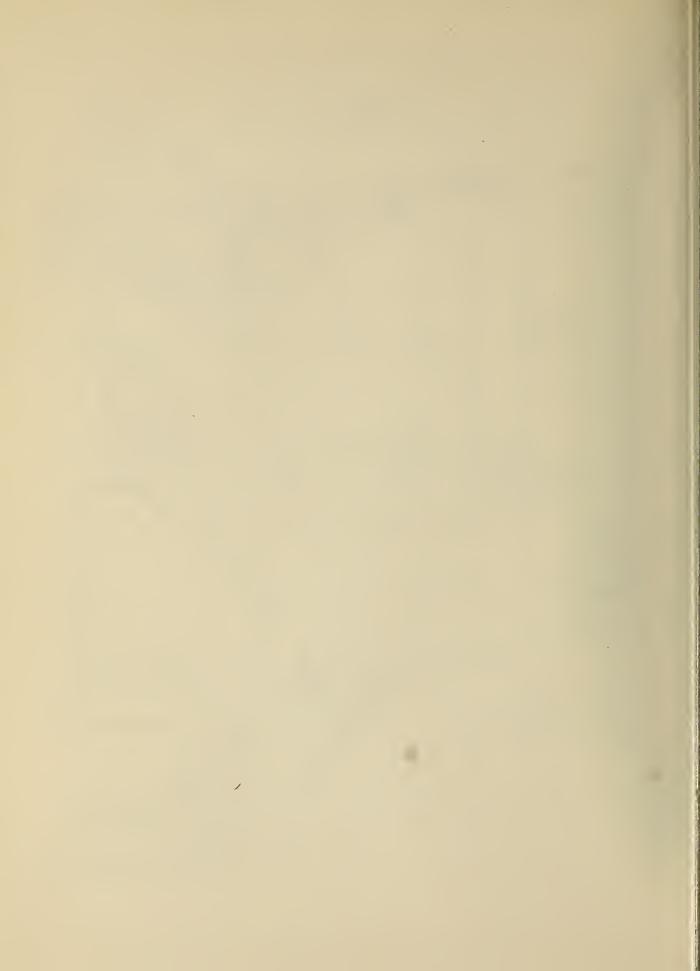
Kentucky.

The Lima Standard Metropolitan Area consists of Allen County, Ohio.

The Lorain-Elyria Standard Metropolitan Area consista of Lorain County, Ohio.

The Springfield Standard Metropolitan Area consista of Clark County, Ohio.







EPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON 25, D. C.

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PENALTY FOR PRIVATE USE TO ALL PAYMENT OF POSTAGE, \$300

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OKLAHOMA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures oscasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.—GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	2,144	1,740	+23
1-19 employees	do	1,621 385 138	1,264 380 96	+28 +1 +44
All employees ¹ Number Payroll	Thousands Million dollars	79.7 306.7	55.4 143.6	+44 +114
Value added by manufacture		595.4 52.1	341.1 25.5	+75 +104

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 9.4 thousand employees with a payroll of \$55.7 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

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Table 2. -GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY CROUP: 1954 AND 1947

(See text for explanation of column captions)

						1954				19	47
Ind.	Major industry	Total	Number o	of estable with—	ishments	All employees1		Value	Capital	All	Value
group	es	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by maru- facture (\$1,000)
	All industries, total*	2,144	1,621	385	138	79,698	306,718	595,401	52,081	55,441	343,149
20 23 24 25 26	Food and kindred products ² Apparel and related productsLumber and wood products ³ Furniture and fixturesPulp, paper, and products	593 55 148 91	446 32 127 79 2	117 17 18 10 5	30 6 3 2 2	15,655 2,369 1,929 1,620 561	52,014 4,530 5,087 5,185 2,441	98,676 10,143 7,771 9,511 6,080	6,145 86 332 312 (*)	14,487 855 2,381 1,219 382	75,969 2,466 8,298 4,331 1,994
27 28 29 31 32	Printing and publishing	382 78 42 11 87	334 53 16 8 53	43 22 10 3 21	5 .3 16 	5,732 1,484 7,226 211 5,847	21,209 5,451 32,655 452 21,589	39,968 10,433 99,718 849 48,213	1,442 13,665 17,614 (*) 3,312	5,041 1,589 7,489 17 4,373	27,509 12,127 79,875 44 23,411
33 34 35 37 39	Primary metal products. Fabricated metal products. Machinery, except electrical. Transportation equipment. Miscellaneous manufactures4.	37 154 277 40 85	18 115 191 29 80	13 23 67 5 3	6 16 19 6 2	3,810 6,731 10,488 10,884 771	15,350 27,844 44,047 50,168 2,356	25,497 51,424 72,635 65,783 4,070	1,090 1,540 3,474 322 399	3,274 3,628 6,131 1,336 317	16,44. 19,357 36,639 5,550 1,096

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often re-

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g. storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Oklahoma reported 9,406 employees with a total payroll of \$55,725 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills f

small mills for individual States.

Anoludes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

(The State of Oklahoma contains no standard metropolitan area with 40,000 or more manufacturing employees in 1954.)

OKLAHOMA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

(See text for explanation of column captions)									19	47
		Number	of establ	ishments		ployees				
Standard metropolitan area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)
Oklahoma, total	2,144	1,621	385	138	79,698	306,718	595,401	52,081	55,441	341,149
STANDARD METROPOLITAN AREAS ¹										
Oklahoma City ² Tulsa ³	473 520	355 374	87 100	31 46	15,877 28,797	60,776 123,321	105,639 217,501	3,674 8,740	12,887 14,756	71,229 96,462
COUNTIES										
Adair Alfalfa. Atoka. Beaver Beckham	9 8 12 3 14	6 8 12 2 12	2 1 2	1	291 (*) (*) (*) 220	336 (*) (*) (*) 586	716 (*) (*) (*) 862	(*) (*) (*) (*)	133 (*) (*) (*) (*) 314	218 (*) (*) (*) 1,759
Blaine. Bryan. Caddo. Canadian.	8 20 11 13	6 14 9 9	1 6 1 4	1 1	361 319 (*) 302	1,380 745 (*) 1,175	5,082 1,083 (*) 3,895	(*) 242 (*) (*)	399 196 (*) 374	3,486 877 (*) 6,282
Carter	34	25	8	1	751	2,212	4,265	491	389	2,292
Cherokee Choctaw Cimarron Cleveland Coal	6 13 1 15	6 13 1 12 1	2	 1	(*) (*) (*) 292 (*)	(*) (*) (*) 963 (*)	(*) (*) (*) 1,768 (*)	(*) (*) (*) (*) (*)	(*) (*) (*) 133 (*)	(*) (*) (*) 468 (*)
Comanche	34 3 15 39	26 3 15 26	7 8	1 5	(*) (*) 85 1,951	(*) (*) 227 7,029	(*) (*) 574 13,032	(*) (*) (*) 701	(*) (*) 59 1,574	(*) (*) 211 7,133
Custer Delaware Deuey Ellis Carfield.	5 1 4 61	18 5 1 4 45			(*) (*) (*) (*) 1,901	(*) (*) (*) 6,993	1,300 (*) (*) (*) (*) 14,320	(*) (*) (*) (*) 617	(*) (*) (*) (*) 1,852	1,466 (*) (*) (*) (*) 17,732
Garvin	15	13	1	1	(*)	(*)	(*)	(*)	(*)	(*)
Grady Grant. Greer. Harmon Harper.	38 7 10 4 4	28 6 9 3 4	10 1 1 1		516 (*) (*) (*) (*)	1,429 (*) (*) (*) (*)	3,959 (*) (*) (*) (*)	204 (*) (*) (*) (*)	438 (*) (*) (*) (*)	1,760 (*) (*) (*) (*)
Haskell Hughes. Jackson Jefferson Johnston	4 7 15 4 4	4 6 11 4 4	4	"i	(*) (*) 194 (*) (*)	(*) (*) 523 (*) (*)	(*) (*) 996 (*) (*)	(*) (*) (*) (*)	(*) (*) 248 (*) (*)	(*) (*) 1,117 (*) (*)
Kay Kingfisher Kiowa Latimer Le Flore	50 5 13 4 21	30 5 10 4 16	14. 3	6 	4,125 (*) 131 (*) 409	17,557 (*) 364 (*) 902	46,709 (*) 928 (*) 1,510	9,123 (*) (*) (*) (*)	3,681 (*) 112 (*) 451	24,612 (*) 442 (*) 1,492
Lincoln. Logan. Love. McClain. McCurtain.	16 18 3 7 32	14 14 3 7 26	2 3 4	1 2	218 622 (*) (*) 669	762 1,641 (*) (*) 1,648	1,513 2,561 (*) (*) 2,493	(*) (*) (*) (*) (*) 215	194 520 (*) (*) 992	1,154 1,217 (*) (*) 3,481
McIntosh. Major. Marahall. Mayea. Murray.	5 3 8 15 9	5 2 5 11 5	1 2 3 4	 1 1	(*) (*) (*) 416 144	(*) (*) (*) 1,770 456	(*) (*) (*) 4,342 708	(*) (*) (*) (*) (*)	(*) (*) (*) 70 71	(*) (*) (*) 177 245
Muskogee. Noble, Novata' Okfuskee. Oklahoma	68 5 11 2 473	42 4 10 2 355	19 1 1	7	2,525 (*) 120 (*) 15,877	7,325 (*) 405 (*) 60,776	16,970 (*) 619 (*) 105,639	474 (*) (*) (*) 3,674	1,663 (*) 92 (*) 12,887	7,638 (*) 456 (*) 71,229
Okmulgee Oaage. Ottawa. Pawnee. Payna.	38 / 22 37 6 24	27 19 30 5 17	6	5 3 1 1 2	2,935 468 (*) (*) 769	12,152 1,517 (*) (*) 2,726	20,993 3,097 (*) (*) 9,679	864 151 (*) (*) 573	2,336 447 (*) (*)	13,743 4,137 (*) (*) 6,268
Pittaburg. Pontotoc. Pottawatomie Pushmataha Roger Milla.	26 29 44 14	20 18 35 13	5 8 6 1	1 3 3 	910 1,008 1,924 106 (*)	2,034 3,449 5,820 214 (*)	4,228 9,140 11,539 374 (*)	85 588 1,115 (*) (*)	400 1,039 723 116 (*)	2,019 7,119 3,012 222 (*)

For footnotea, aee end of table.

Table 4.—CENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued

(See text for explanation of column captions)

(est tone tot organization of occasion organization)											
					1954				19	147	
Standard metropolitan		Number	of establ with—	ishments	All employees		Value	Capital	All	Value	
area and county	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture	
		projects	projects	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
COUNTIES—Continued											
Rogers	9	8	1		126	328	675	(*)	55	117	
Seminole	26	23	2	1	336	1,005	1,935	54	242	775	
Sequoyah		3 16	2	2	(*)	(*)	(*)	(*)	(*) 997	(*)	
Stephens Texas		70	1		2,404	10,550	17,207 (*)	(*)	(*)	5,109 (*)	
Icads	10		_	• • • • • • • • • • • • • • • • • • • •	(")	()	(")	()	,,	1~)	
Tillman		10	2		(*)	(*)	(*)	(*)	(*)	(*)	
Tulsa		374	100	46	28,797	123,321	217,501	8,740	14,756	96,462	
Wagoner		8 21	•••	***	(*)	(*) 7,778	(*)	(*)	(*)	(*)	
Washington		6			1,964	(*)	14,797	1,917 (*)	1,296 (*)	6,544 (*)	
nadiz variation in the same and a	Ü				()	()	()	()	()	()	
Woods	13	10	3		192	607	1,362	(*)	169	672	
Woodward	9	7	2		109	290	585	(*)	103	296	

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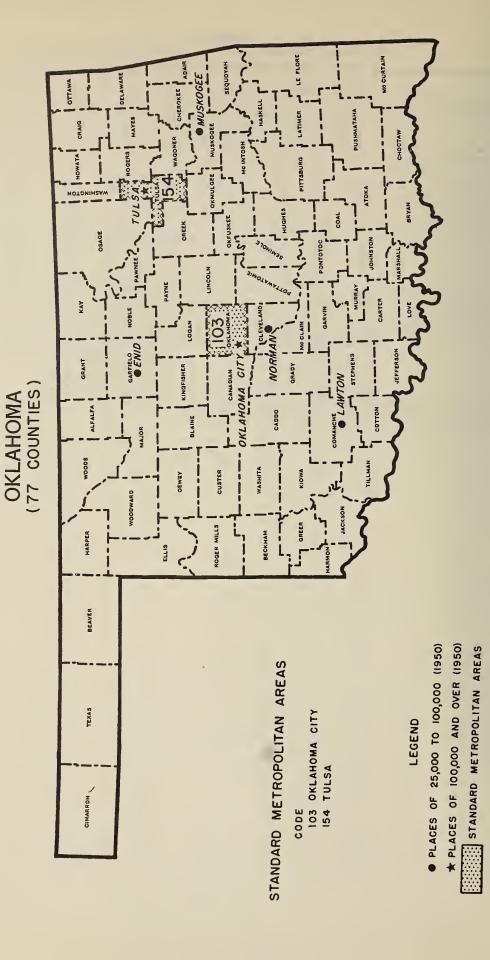
¹In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for the two standard metropolitan areas are given in the table below. Comparable figures are not available for 1947.

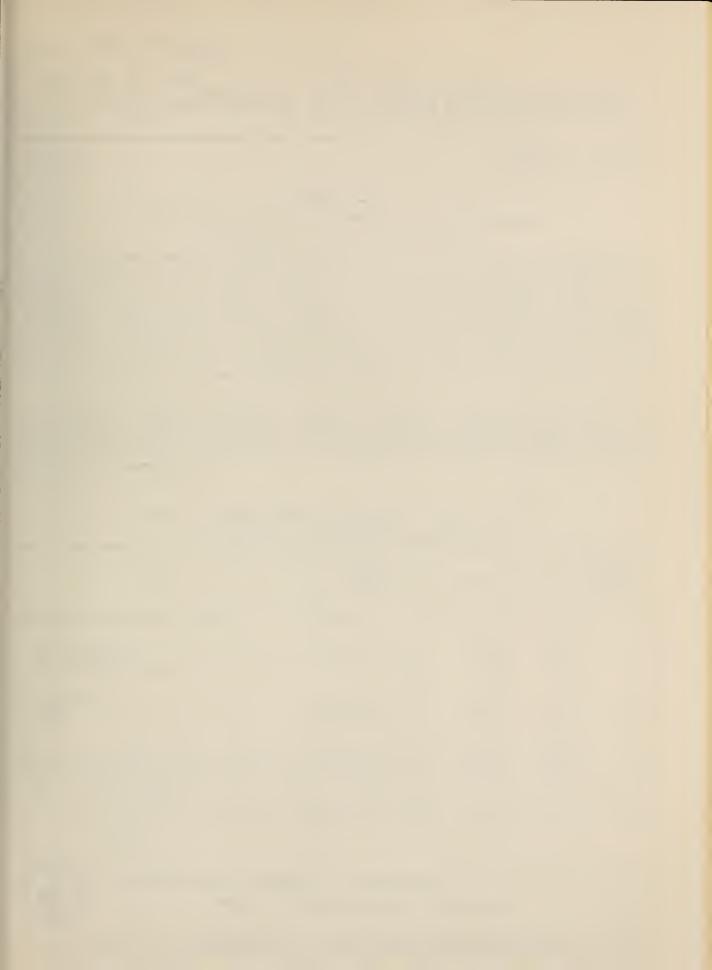
Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Oklahoma City	250-500 1,000-2,500	1,000-2,500 5,000-10,000

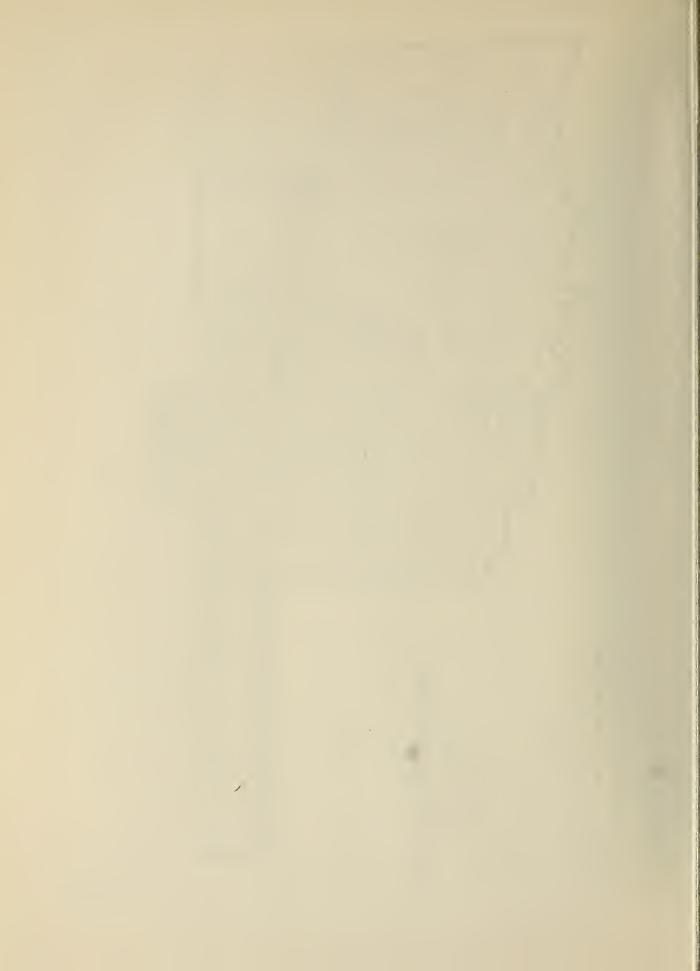
(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

The Oklahoma City Standard Metropolitan Area consists of Oklahoma County, Oklahoma.

Tulsa Standard Metropolitan Area consists of Tulsa County, Oklahoma.







June 1956

Series: MC-S36 (REVISED)

OREGON

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREA, AND COUNTIES

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(See text for explanation of items)

(500 000 101	explanation of 10	сшь,		
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	5,880	3,075	+91
1-19 employees		4,692 906 282	2,105 737 233	(1) +23 +21
All employees ² Number Payroll	Thousands Million dollars	134.9 564.0	105.6 317.8	+28 +77
Value added by manufacture	do	1,027.2 70.0	675.0 61.7	+52 +13

¹See Table 2, footnote 3, for discussion of non-comparibility in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 2 thousand employees with a payroll of \$10 million in 1954. (See footnote'l to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

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Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

			1954								1947	
						1954				19	1947	
Ind.	Major industry	Total	Number	of estable with-	ishments	All employees 1		Vslue	Capital	All	Vslue	
group		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em-	Number	Psyroll	sdded by manu- fscture	expendi- tures, new	employees, number	sdded by msnu- facture	
			proyees	proyees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
	All industries, total*	5,880	4,692	906	282	134,883	564,031	1,027,224	70,033	105,591	675,017	
20 22 23 24	Food and kindred products ²	568 18 65 3,860	373 7 45 3,192	153 6 15 502	42 5 5 166	18,887 2,767 2,342 76,413	68,867 10,463 7,068 324,622	120,945 13,150 13,020 585,135	6,705 (*) 188 45,166	17,761 3,066 1,883 51,532	107,767 12,825 7,893 363,561	
25 26 27 28	Furniture and fixtures	82 51 315 84	70 14 270 63	9 17 40 19	3 20 5 2	1,844 6,030 5,166 1,513	7,083 27,449 23,038 6,620	11,767 64,976 37,835 17,209	248 7,801 1,289 1,253	3,471 4,551 4,493 1,155	15,298 34,653 24,311 .11,750	
30 31 32 33	Rubber products Leather and leather products Stone, clay, and glass products Primary metal industries	13 24 106 58	9 20 91 34	4 4 12 20	3 4	265 198 1,266 3,101	1,217 612 5,113 14,890	2,500 949 9,720 35,449	(*) 27 1,202 403	123 335 1,172 3,002	587 1,370 6,536 19,782	
35 36 37	Fabricated metal products	171 221 32 61 117	125 184 20 48 103	38 30 10 8 11	8 7 2 5 3	5,224 3,633 1,161 2,463 1,716	24,043 16,931 5,042 11,429 5,846	36,152 31,164 10,463 16,331 9,870	2,422 876 304 267 409	3,891 3,817 709 2,804 1,083	20,685 19,463 4,292 13,481 5,112	

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Oregon reported 1,959 employees with a total payroll of \$i\text{0.262}\$ thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of t

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	47
Ind.			Number	of establ with—	ishments	All employees 1		Value	Capital	A11	Value
group		Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	sdded by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
	All industries, total*	1,799	1,363	325	111	56,599	238,909	453 , 655	27,937	51,643	314,273
20 22 23 24	Food and kindred products ³ Textile mill products	228 10 61 535	137 5 41 451	65 1 14 65	26 4 6 19	9,996 2,588 2,696 8,821	39,927 10,297 8,116 35,222	68,164 13,089 17,316 61,446	3,564 (*) 297 3,755	8,658 2,905 1,907 9,101	52,790 12,456 8,486 58,611
25 26 27 28	Furniture and fixtures. Pulp, paper, and products Printing and publishing. Chemicals and products.	71 39 174 66	60 11 148 48	8 14 24 15	3 14 2 3	1,761 6,901 3,274 1,416	6,767 30,756 15,657 6,350	11,355 73,179 25,511 15,654	241 7,003 817 1,339	2,852 4,936 3,387 917	14,091 41,273 18,593 9,992
30 31 32 33	Rubber products Leather and leather products Stone, clay, and glass products. Primary metal industries	10 16 55 51	7 13 45 24	3 3 8 20	 2 7	191 135 770 4,616	900 410 3,274 21,396	1,614 656 5,733 57,779	(*) (*) 450 5,443	123 235 631 4,037	587 899 3,600 30,396
34 35 36 37 39	Fabricated metal products	139 154 25 39 97	98 127 14 30 83	33 20 9 5 11	8 7 2 4 3	4,914 2,975 1,088 1,951 1,642	22,816 13,979 4,815 9,006 5,683	34,221 24,964 9,952 13,126 9,524	2,205 745 246 241 351	3,691 3,367 642 2,641 906	19,783 17,053 747 12,901 3,943

*Totals include data for industry groups with have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the Portland Standard Metropolitan Area reported 724 employees with a total payroll of \$4,099 thousand. Comparable date for 1947 are not available.

The Portland Standard Metropolitan Area consists of Clackamas, Multnomah, and Washington Counties, Oregon, and Clark County, Washington.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these eatablishments for individual standard metropolitan areas.

*1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planting Mills (Industry 2421) that produced more than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these setimated that, for the United States as a whole, all loggers plus those mills prod In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often

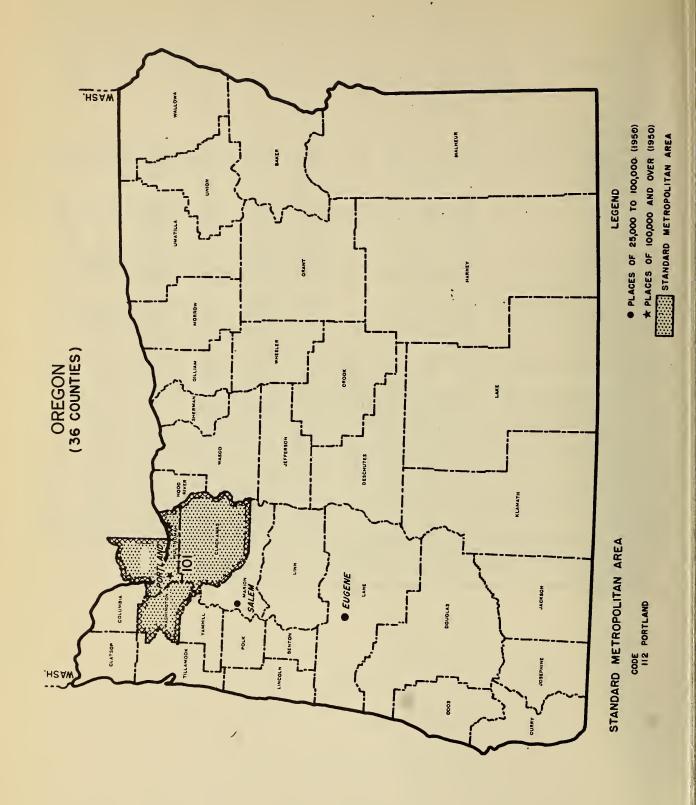
Table 4. —GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 (See text for explanation of column captions)

					1954	,			1947	
Standard metropolitan		Number	of establ	ishments	All emp	ployees	Value	Capital		Value
area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
Oregon. STANDARD METROPOLITAN AREAS ¹	5,880	4,692	906	282	134,883	564,031	1,027,224	70,033	105,591	675,017
Portland area, total	1,799 1,665 134	1,363 1,262 101	325 311 14	111 92 19	56,599 47,995 8,604	238,909 203,812 35,097	453,655 366,004 87,651	27,937 17,464 10,473	51,643 45,025 6,618	314,273 261,527 52,746
Baker Benton Clackamas. Clatsop. Columbia.	49 151 284 106 114	42 122 242 79 93	5 26 35 15 14	2 3 7 12 7	667 2,043 4,986 3,261 2,762	2,568 8,015 21,176 12,122 10,965	4,433 14,872 43,984 17,282 20,890	791 1,666 4,216 660 3,232	628 1,195 4,120 3,176 2,942	3,678 8,168 26,315 17,673 22,115
Coos. Crook. Curry. Deschutes Douglas.	304 24 123 70 546	256 15 105 56 451	35 4 16 11 73	13 5 2 3 22	6,987 1,310 1,502 1,601 10,199	30,266 6,660 6,258 6,565 44,475	54,883 10,502 12,309 12,128 86,369	7,903 319 1,572 459 7,441	3,749 653 111 2,067 5,296	26,631 5,007 490 12,515 38,162
Gilliam. Grant. Harmey Hood River. Jackson.	2 29 10 47 259	2 20 8 40 206	8 1 5 42	1 1 2 11	(*) 694 (*) 890 4,987	(*) 3,456 (*) 2,969 21,308	(*) 5,061 (*) 5,221 37,637	(*) 305 (*) 708 2,815	(*) 819 (*) 629 2,878	(*) 5,470 (*) 3,957 22,604
Jefferson Josephine. Klamath Lake. Lane.	5 198 72 41 691	4 169 45 30 560	 27 17 7 103	1 2 10 4 28	(*) 2,219 3,779 992 13,899	(*) 9,243 16,272 4,631 59,770	(*) 17,451 25,835 9,620 108,813	(*) 1,694 1,507 430 8,057	(*) 1,412 2,971 497 8,721	(*) 8,534 20,232 4,086 59,346
Lincoln, Linn, Malheur Marion, Morrow	190 258 21 256 7	172 204 17 206 5	17 38 1 40 1	1 16 3 10 1	2,507 6,751 (*) 5,236 161	9,615 28,202 (*) 19,655 645	16,370 54,955 (*) 39,606 1,936	1,618 2,981 (*) 2,002 (*)	1,840 4,571 (*) 5,287 153	10,912 32,799 (*) 30,257 1,665
Multnomah Polk. Sherman. Tillamook Umatilla.	1,192 113 174	855 93 148 40	- 258 13 20 19	79 7 6	40,030 2,878 2,648 2,527	171,717 10,387 10,183 9,393	295,853 21,373 15,628 16,710	11,836 907 1,103 1,684	39,235 2,110 1,186 2,000	225,166 15,007 6,336 12,281
Union Wallowa. Wasco. Washington. Wheeler. Yamhill.	59 30 41 189 8 151	49 27 31 165 3 132	8 2 8 18 4	2 1 2 6 1 4	1,003 412 754 2,979 (*) 1,969	4,213 1,898 3,207 10,919 (*) 7,206	7,780 3,392 5,588 26,167 (*) 12,936	371 142 557 1,412 (*) 864	897 384 444 1,670 (*) 1,974	5,442 2,577 2,641 10,046 (*) 13,413

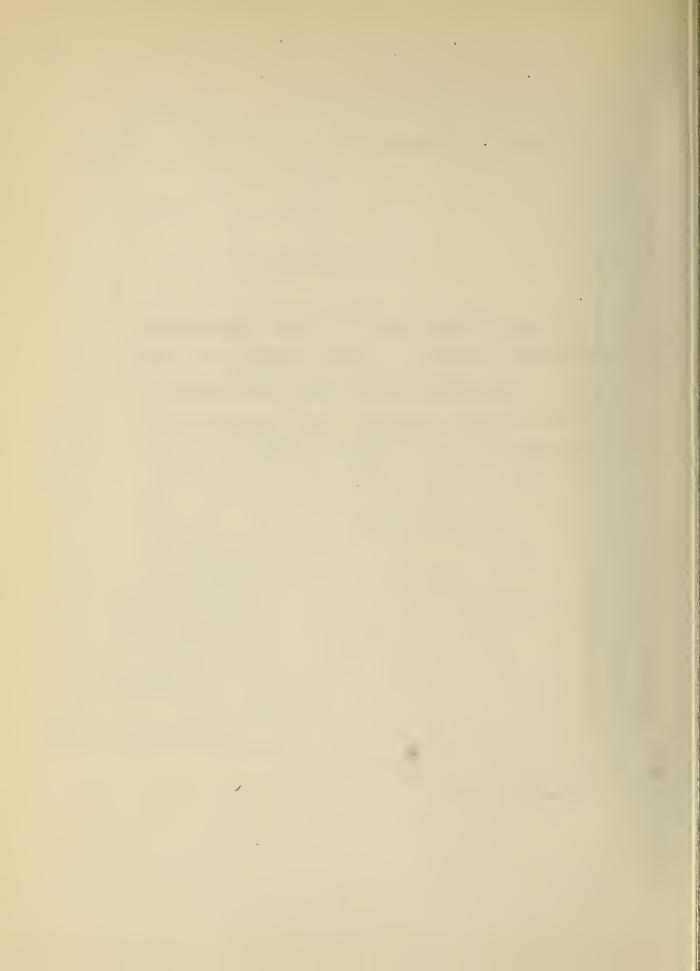
^{*}Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

For definitions of standard metropolitan areas, and the central administrative office and auxiliary unit employment and payroll for these areas, see Table 3 footnotes.



THIS REVISED ISSUE OF THE PRELIMINARY REPORT FOR OREGON IS BEING ISSUED BECAUSE PAGE 2 OF THE TEXT WAS INADVERTENTLY OMITTED IN THE ORIGINAL PRINTING. NO CHANGES HAVE BEEN MADE IN ANY OF THE STATISTICS.



June 1956

Series:

MC-S36

OREGON

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREA, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

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Item	Unit of measure	1954	1947	Percent change 1947-1954								
Number of establishments, total	Number	5,880	3,075	+91								
1-19 employees	do	4,692 906 282	2,105 737 233	(¹) +23 +21								
All employees ² Number Payroll	Thousands Million dollars	134.9 564.0	105.6 317.8	+28 +77								
Value added by manufacture Capital expenditures, new		1,027.2 70.0	675.0 61.7	+52 +13								

¹See Table 2, footnote 3, for discussion of non-comparibility in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 2 thousand employees with a payroll of \$10 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

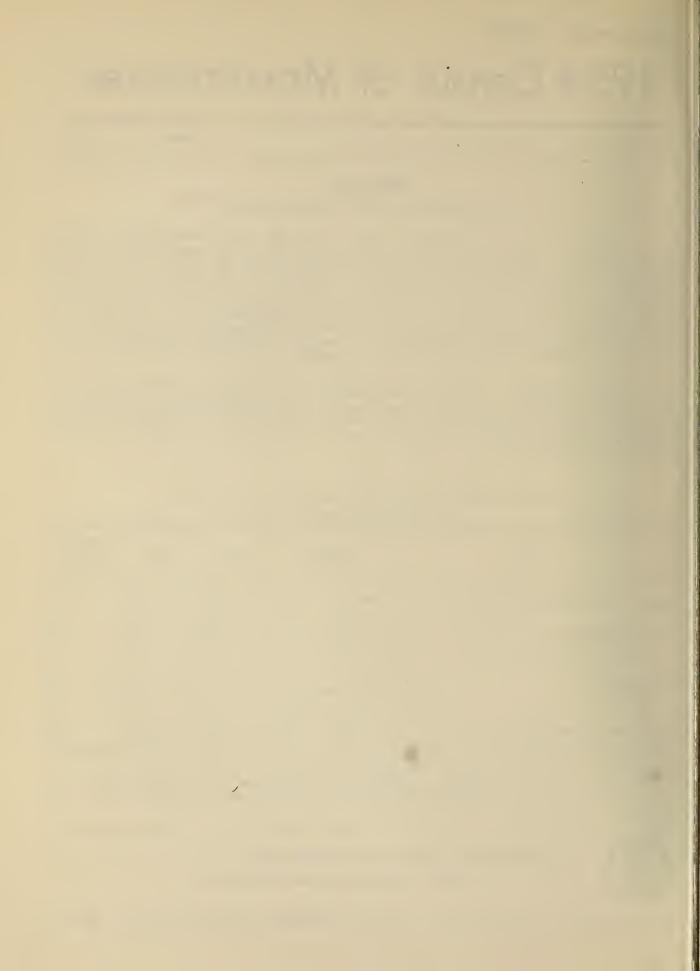


Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

	(See text for explanation of column captions)											
						1954				19	47	
Ind.	Major industry	Total	Number	of establ with—	ishments	All employees 1		Value	Capital	A11	Value	
group		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em-	Number	Payroll	added by manu- facture	expendi- turea, new	employees, number	added by manu- facture	
			projects	projects	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
	All industries, total*	5,880	4,692	906	282	134,883	564,031	1,027,224	70,033	105,591	675,017	
20 22 23	Food and kindred products ² Textile mill products Apparel and related products	568 18 65	373 7 45	153 6 15	42 5 5	18,887 2,767 2,342	68,867 10,463 7,068	120,945 13,150 13,020	6,705 (*) 188	17,761 3,066 1,883	107,767 12,825 7,893	
24	Lumber and wood products ³	3,860	3,192	502	166	76,413	324,622	585,135	45,166	51,532	363,561	
25 26	Furniture and fixtures	82 51	70 14	9 17	3 20	1,844 6,030	7,083 27,449	11,767	248	3,471	15,298	
27 28	Printing and publishing Chemicals and products	315 84	270 63	40 19	5 2	5,166 1,513	23,038	64,976 37,835 17,209	7,801 1,289 1,253	4,551 4,493 1,155	34,653 24,311 11,750	
30 31 32	Rubber products Leather and leather products Stone, clay, and glass products	13 24 106	9 20 91	4 4 12		265 198 1,266	1,217 612 5,113	2,500 949 9,720	(*) 27 1,202	123 335 1,172	587 1,370	
33	Primary metal industries	58	34	20	4	3,101	14,890	35,449	403	3,002	6,536 19,782	
34 35 36	Fabricated metal products	171 221 32	125 184 20	38 30 10	8 7 2	5,224 3,633 1,161	24,043 16,931 5,042	36,152 31,164 10,463	2,422 876 304	3,891 3,817 709	20,685 19,463 4,292	
37	Transportation equipment	61	48	8	5	2,463	11,429	16,331	267	2,804	13,481	

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

1,716

5,846

9,870

409

1,083

5,112

11

39 Miscellaneous manufactures4.....

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often

117

103

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Oregon reported 1,959 employees with a total payroll of \$10,262 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

*3954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small infuls

OREGON

Table 3. —GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	47
Ind.	Standard metropolitan area		Number	of establ with—	ishments	All em	ployees ¹	Value	Capital	All	Value
group		Total number of estab-	1-19 em-	20-99 em-	100 or more	Number	Payroll	added by manu- facture	expendi- tures,	employees,	added by
		lishments	ployees	ployees	em- ployees	Number	(\$1,000)	(\$1,000)	new (\$1,000)		facture (\$1,000)
			L,	1	L	500	mr 4172 42742		,,		(42)0007
						POR	TIAND AREA ²				
	All industries, total*	1,799	1,363	325	111	56,599	238,909	453,655	27,937	51,643	314,273
20 22 23 24	Food and kindred products ³ Textile mill products Apparel and related products Lumber and wood products ⁴	228 10 61 535	137 5 41 451	65 1 14 65	26 4 6 19	9,996 2,588 2,696 8,821	39,927 10,297 8,116 35,222	68,164 13,089 17,316 61,446	3,564 (*) 297 3,755	8,658 2,905 1,907 9,101	52,790 12,456 8,486 58,611
26 27	Furniture and fixtures Pulp, paper, and products Printing and publishing Chemicals and products	71 39 174 66	60 11 148 48	8 14 24 15	3 14 2 3	1,761 6,901 3,274 1,416	6,767 30,756 15,657 6,350	11,355 73,179 25,511 15,654	241 7,003 817 1,339	2,852 4,936 3,387 917	14,091 41,273 18,593 9,992
31 32	Rubber products Leather and leather products Stone, clay, and glass products. Primary metal industries	10 16 55 51	7 13 45 24	3 3 8 20	2 7	191 135 770 4,616	900 410 3,274 21,396	I,614 656 5,733 57,779	(*) (*) 450 5,443	123 235 631 4,037	587 899 3,600 30,396
35 36 37	Fabricated metal products	139 154 25 39 97	93 127 14 30 83	33 20 9 5 11	8 7 2 4 3	4,914 2,975 1,088 1,951 1,642	22,816 13,979 4,815 9,006 5,683	34,221 24,964 9,952 13,126 9,524	2,205 745 246 241 351	3,691 3,367 642 2,641 906	19,783 17,053 747 12,901 3,943

*Totals include data for industry groups with have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

panies or (b) permit further checking of data for smaller industry groups. Additional particular particular particular actual appears and actual special speci

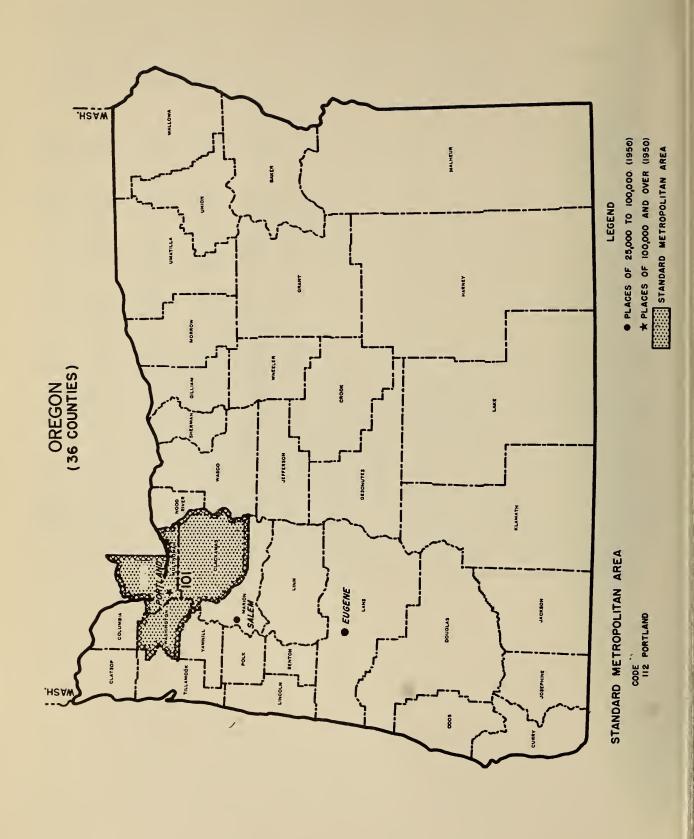
Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 (See text for explanation of column captions)

	1954									1947		
		Number	of establ	ishments		ployees			 			
Standard metropolitan area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payrol1 (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- turea, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)		
Oregon STANDARD METROPOLITAN AREAS ¹	5,880	4,692	906	282	134,883	564,031	1,027,224	70,033	105,591	675,017		
Portland area, total	1,799 1,665 134	1,363 1,262 101	325 311 14	111 92 19	56,599 47,995 8,604	238,909 203,812 35,097	453,655 366,004 87,651	27,937 17,464 10,473	51,643 45,025 6,618	314,273 261,527 52,746		
COUNTIES												
Baker. Benton. Clackamas. Clatsop. Columbia.	49 151 284 106 114	42 122 242 79 93	5 26 35 15 14	2 3 7 12 7	667 2,043 4,986 3,261 2, 7 62	2,568 8,015 21,176 12,122 10,965	4,433 14,872 43,984 17,282 20,890	791 1,666 4,216 660 3,232	628 1,195 4,120 3,176 2,942	3,678 8,168 26,315 17,673 22,115		
Coos. Crook. Curry. Deschutes. Douglas.	304 24 123 70 546	256 15 105 56 451	35 4 16 11 73	13 5 2 3 22	6,987 1,310 1,502 1,601 10,199	30,266 6,660 6,258 6,565 44,475	54,883 10,502 12,309 12,128 86,369	7,903 319 1,572 459 7,441	3,749 653 111 2,067 5,296	26,631 5,007 490 12,515 38,162		
Gilliam. Grant Harney. Hood River. Jackson.	2 29 10 47 259	2 20 8 40 206	8 1 5 42	1 1 2 11	(*) 694 (*) 890 4,987	(*) 3,456 (*) 2,969 21,308	(*) 5,061 (*) 5,221 37,637	(*) 305 (*) 708 2,815	(*) 819: (*) 629 2,878	(*) 5,470 (*) 3,957 22,604		
Jefferson Josephine. Klamath Lake. Lane.	5 198 72 41 691	4 169 45 30 560	27 17 7 103	1 2 10 4 28	(*) 2,219 3,779 992 13,899	(*) 9,243 16,272 4,631 59,770	(*) 17,451 25,835 9,620 108,813	(*) 1,694 1,507 430 8,057	(*) 1,412 2,971 497 8,721	(*) 8,534 20,232 4,086 59,346		
Lincoln, Linn, Malheur Marion Morrow	190 258 21 256 7	172 204 17 206 5	17 38 1 40 1	1 16 3 10 1	2,507 6,751 (*) 5,236 161	9,615 28,202 (*) 19,655 645	16,370 54,955 (*) 39,606 1,936	1,618 2,981 (*) 2,002 (*)	1,840 4,571 (*) 5,287 153	10,912 32,799 (*) 30,257 1,665		
Multnomah. Polk. Sherman Tillamook Umatilla	1,192 113 174 66	855 93 ••• 148 40	258 13 20 19	79 7 6	40,030 2,878 2,648 2,527	171,717 10,387 10,183 9,393	295,853 21,373 15,628 16,71	11,836 907 1,103 1,684	39,235 2,110 1,186 2,000	225,166 15,007 6,336 12,281		
Union Wallowa. Wasco. Washington. Wheeler. Yamhill.	59 30 41 189 8 151	49 27 31 165 3 132	8 2 8 18 4 15	2 1 2 6 1 4	1,003 412 754 2,979 (*) 1,969	4,213 1,898 3,207 10,919 (*) 7,206	7,780 3,392 5,588 26,167 (*) 12,936	371 142 557 1,412 (*) 864	897 384 444 1,670 (*) 1,974	5,442 2,577 2,641 10,046 (*) 13,413		

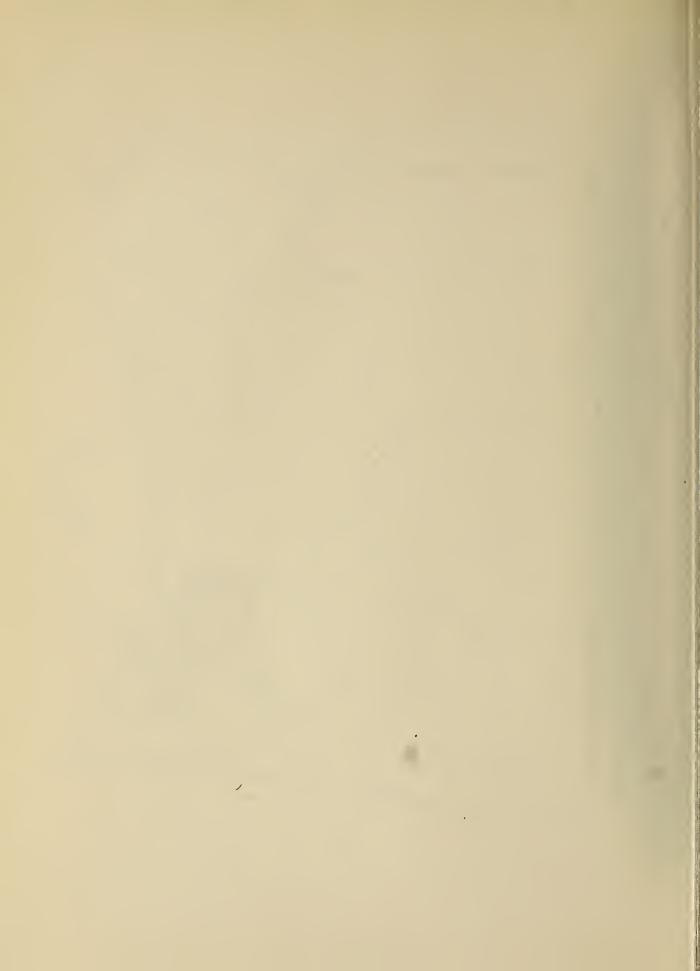
^{*}Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

¹For definitions of standard metropolitan areas, and the central administrative office and auxiliary unit employment and payroll for these areas, see Table 3 footnotes.







June 1956 Series:

PENNSYLVANIA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

MC-S37

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947
(See text for explanation of items)

(bee beautof explanation of forms)											
Item	Unit of measure	1954	1947	Percent change 1947-1954							
Number of establishments, total	Number	18,850	16,794	+12							
1-19 employees	dododododododo	11,217 5,020 2,613	9,515 4,717 2,562	+18 +6 +2							
All employees ¹ Number Payroll	Thousands Million dollars	1,425.0 5,586.4	1,441.7 3,925.2	-1 +42							
Value added by manufacture	do	9,939.9 625.4	6,926.1 533.8	+44 +17							

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 53 thousand employees with a payroll of \$357 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U.S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captiona)

						1954				19	47
Ind.	major industry	Total	Number	of establ	ishmenta	All emp	oloyees ¹	Value	Capital	All	Value
group		number of estab- lishments	1-19 em- ployeea	20-99 em- ployees	100 or more em- ployeea	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- turea, new (\$1,000)	employeea, number	added by manu- facture (\$1,000)
	All industries, total*	18,850	11,217	5,020	2,613	1,425,032	5,586,438	9,939,939	625,411	1,441,697	6,926,057
20 21 22 23 24	Food and kindred products ² Tobacco manufactures Textile mill products. Apparel and related products Lumber and wood products ³	2,960 129 1,226 2,297 1,559	2,061 65 444 785 1,397	663 25 500 1,058 148	236 39 282 454 14	113,852 16,363 102,672 155,589 14,735	418,747 38,993 324,650 370,678 38,675	826,260 76,305 508,753 538,109 59,367	43,089 1,526 21,980 6,946 3,513	103,349 19,382 139,348 141,919 15,630	585,970 66,310 625,851 436,619 50,200
25 26 27 28 29	Furniture and fixtures	625 418 1,941 734 143	391 145 1,490 472 90	170 165 341 183	64 108 110 79 35	22,942 37,434 61,836 45,182 25,914	77,403 153,440 275,881 200,220 125,935	122,454 297,806 469,444 509,249 292,809	4,244 27,679 19,194 39,339 78,701	17,826 35,270 54,686 43,657 29,284	70,051 205,713 312,912 310,828 242,691
30 31 32 33 34	Rubber products	91 298 959 608 1,559	47 98 574 206 916	23 99 239 173 448	21 101 146 229 195	13,388 30,626 64,729 240,485 107,381	56,865 82,401 260,853 1,077,368 457,685	124,442 122,718 497,471 1,781,373 773,463	11,955 2,198 33,780 154,414 41,095	15,149 31,231 72,841 262,269 115,051	81,530 125,543 339,661 1,219,042 533,408
35 36 37 38 39	Machinery, except electrical Electrical machinery. Transportation equipment Instruments and related products Miscellaneous manufactures4	1,660 363 190 223 867	1,070 145 91 145 585	38 <i>5</i> 90 49 46 197	205 128 50 32 85	134,618 102,680 64,219 25,492 45,387	609,478 428,484 312,111 107,659 168,903	1,086,898 885,341 501,335 181,961 284,373	46,768 35,251 27,717 6,747 19,269	136,378 92,641 64,614 20,608 30,564	667,419 509,031 314,353 94,089 134,836

*The sum of industry group figures may not equal the "All industries" total due to the independent rounding of detail and total figures.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops), which serve the manufacturing establishments of a company rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Pennsylvania reported 53,420 employees with a total payroll of \$356,938 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United Statea as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Lagging Camms

importance of these establishments for individual States.

1954 (Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all auch loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and control of the contro

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column continual

	(See text for explanation of column captions)											
					1947							
Ind.	Standard metropolitan area	with		of establ with—	establishments ith— All emp		ployees ¹	Value	Capital	A11	Value	
group		Total number of estab-	1-19 em-	20-99 em-	100 or more	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture	
		lishments	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
			•									
	All industries, total*	1,007	472	361	174	90,134	322,784	584,959	43,699	88,614	360,669	
20	Food and kindred products3	142	99	37	6	3,923	13,987	21,187	1,018	3,338	14,124	
22	Textile mill products	120	34	61	25	9,167	29,705	45,569	1,858	13,295	51,712	
	Apparel and related products	241	48	138	55	18,148	42,158	55,595	980	15,942	41,570	
24	Lumber and wood products4	25	23	1	1	270	877	1,781	36	564	1,884	
25	Furniture and fixtures	28	18	12	2	651	2,175	3,027	43	785	2,009	
27	Printing and publishing	CB	6/4	12	4	2,233	8,611	13,929	463	1,534	6,748	
28	Chemicals and products	30	16	10	4	2,248	9,087	19,996	1,059	2,288	9,955	
31	Leather and leather products	14	4	6	4	1,187	3,248	4,679	(*)	1,174	3,266	
32	Stone, clay, and glass products	88	45	27	16	6,154	24,347	65,098	4,624	4,953	31,097	
34	Fabricated metal products	69	36	18	15	5,216	25,672	43,254	1,216	4,976	23,810	
	Machinery, except electrical	63	40	14	9	5,712	24,305	47,821	1,300	6,116	31,839	
36	Electrical machinery	24	7	7	10	6,672	25,377	56,359	2,796	3,276	13,353	

For footnotes, see end of table.

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Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947—Continued

(See text for explanation of column captions)

	(See text for explanation of column captions)											
			Number	of establ	ishments	1954				194	1947	
Ind. group code	Major industry group	Total number of estab-	1-19	with— 20-99	100 or		ployees1	Value added by manu-	Capital expendi- tures,	All employees, number	Value added by manu-	
		lishments	em- ployees	em- ployees	em- ployees	Number	Payroll (\$1,000)	(\$1,000)	new (\$1,000)	namer	facture (\$1,000)	
į			·			ERIE AREA ⁵						
	All industries, total*	421	237	1 10	74	39,703	168,175	275,648	15,261	46,285	224,906	
20.	Food and kindred products3	71	49	16	6	2,311	7,935	18,158	1,135 (*)	1,714	9,584	
23 24.	Apparel and related products Lumber and wood products4	8 28	6 23	1 4	1	272 365	421 952	562 1,600	176	232 487	528 1,651	
25, 27	Furniture and fixtures Printing and publishing	15 41	5 31	4 7	6	1,125 1,023	4,102 4,140	7,796 6,437	(*) 205	1,217 927	4,542 5,063	
28,	Chemicals and products	7	6	i	•••	114	453	1,325	(*)	121	1,235	
32. 33.	Stone, clay, and glass products Primary metal industries	10 28	6 5	3 12	11	290 4,336	1,175 19,189	2,312 28,156	(*) 2,654	289 4,553	1,937 21,703	
34. 35	Fabricated metal products	52 87	27 54	15 20	10 13	3,441 9,897	14,512 42,919	22,049 83,243	1,000 2,109	3,688 14,455	14,960 71,757	
36	Machinery, except electrical Electrical machinery	14	3	5	6	6,721	31,307	37,922	(*)	9,661	44,250	
39	Miscellaneous manufactures	29	11	14	4	2,754 LANC	9,658 ASTER AREA	15,604	592	3,282	16,229	
	All industries, total*	614	350	170	94	43,082	152,415	291,149	16,486	39,139	177,965	
20	Food and kindred products3	141	106	26	9	3,564	11,760	23,506	1,355	3,541	16,445	
21 22	Tobacco manufactures Textile mill products	14 39	6 15	4 12	4 12	1,345 7,453	3,290 28,306	5,355 60,879	(*) 3,019	648 8,847	2,421 51,205	
23 24	Apparel and related products Lumber and wood products4	58 25	7 19	35 6	16	4,774 290	10,634 1,055	16,845 1,529	308 71	3,848 205	11,619 891	
25	Furniture and fixtures	16	14	2		146	443	611	(*)	172	488	
26 27	Pulp, paper, and products Printing and publishing	47	2 32	8 9	1 6	471 1,532	1,471 6,338	2,239 9,793	(*) 608	504 1,028	2,468 4,690	
28 31	Chemicals and products Leather and leather products	17 20	15 1	1 6	1 13	357 3,009	1,078 7,629	3,374 10,552	(*) 167	215 2,921	1,067 8,129	
32	Stone, clay, and glass products	26	18	7	1	1,657	5,513	11,341	523	1,671	7,445	
33 34	Primary metal industries Fabricated metal products	31 50	17 26	11 14	3 10	1,215 3,277	4,624 12,432	6,438 20,251	470 3,361	1,080 3,717	4,415 15,877	
35 39	Machinery, except electrical Miscellaneous manufactures ⁶	68 24	47 12	13 9	8	4,787 1,525	21,257 4,454	49,510 10,711	1,516 348	4,353 1,369	26,848 6,226	
27	historianeous manuracoures	2-7					ELPHIA AREA		340	2,505	0,220	
	All industries, total9	8,116	4,960	2,192	964	549,484	2,301,171	4,056,021	277,937	531,809	2,772,649	
20	Food and kindred products ³	801	505	191	105	52,872	206,843	431,877	21,880	46,361	264,157	
21 22	Tobacco manufactures Textile mill products	689	12 302	256	9 131	6,344 44,595	16,298 152,066	32,486 233,588	315 9,637	8,905 64,074	31,429 312,292	
23 24	Apparel and related products Lumber and wood products4	1,143	554 157	437 38	152 3	56,052 3,049	157,218	244,060 16,659	2,477 960	56,567 3,581	228,001 14,962	
25	Furniture and fixtures	322	225	79	18	7,481	26,848	39,344	1,574	5,837	24,741	
26 27	Pulp; paper, and products Printing and publishing	250 917	98 697	95 165	57 55	18,962 35,038	80,639 163,248	171,306 296,187	9,117 10,863	19,320 32,470	126,057 203,299	
28 29	Chemicals and products Petroleum and coal products	419	254 19	115 6	50 15	28,920 18,350	133,930 97,500	357,301 186,225	39,431 67,142	27,662 16,947	218,146 140,474	
30	Rubber products	55	29	15	11	8,230	37,485	92,100	10,575	8,827	53,376	
31 32	Leather and leather products Stone, clay, and glass products	136 258	76 166	37 66	23 26	7,748 10,697	25,085 46,983	37,972 87,660	640 5,494	10,631 10,848	50,603 55,962	
33	Primary metal industries	176	77	49 229	50	34,082	161,787 213,471	245,501	31,171 13,518	28,012 47,690	131,607 224,630	
34 35	Fabricated metal products Machinery, except electrical	887 847	587 589	194	71 64	48,741 46,710	222,017	350,085 351,613	18,998	46,837	222,674	
36 37	Electrical machinery Transportation equipment	192 102	98 53	47 25	47 . 24	49,620 42,745	218,524 214,731	388,927 306,939	14,300 14,203	38,540 33,487	203,468 152,454	
38 39	Instruments and related products. Miscellaneous manufactures6	153 507	102 360	32 113	19 34	12,956 16,292	56,365 58,972	86,100 100,091	2,172 3,470	10,508 14,705	46,999 67,318	
							BURGH AREA ¹⁰					
	All industries, total*	2,401	1,477	523	401	305,015	1,372,343	2,489,294	164,227	337,928	1,704,327	
20 23	Food and kindred products ³ Apparel and related products	433 81	296 55	82 19	55	22,153	90,680 5,493	159,796	7,401 1 1 9	21,239	118,374 4,668	
25	Furniture and fixtures	73	47	20	7	2,147 2,109	7,676	8,577 13,557	423	1,381 1,006	4,318	
26 27	Pulp, paper, and products Printing and publishing	35 344	13 268	8 62	14 14	3,199 8,962	12,530 42,235	22,631 63,558	719 2 , 969	2,613 7,890	15,300 44,949	
28	Chemicals and products	115	69	31	15	6,376	30,313	69,658	12,022	5,745	38,252	
29 31	Petroleum and coal products Leather and leather products	34	23 5	2	9	6,594 137	30 ,1 85 369	97,440 630	16,458 (*)	7,728 330	61,988	
32 33	Stone, clay, and glass products Primary metal industries	214 180	124 39	47 40	43 101	20,342 129,410	84,242 593,729	146,278 996,930	10,283 76,370	26,150 148,265	111,128 703,968	
34	Fabricated metal products	296	160	86	50	30,469	133,673	227,894	9,544	35,096	158,082	
35 36	Machinery, except electrical Electrical machinery	52	169 19	55 14	38 19	26,010 22,770	126,044 101,429	255,641 235,320	8,543 5,791	22,863 31,203	117,877 191,538	
37 38	Transportation equipment Instruments and related products.	21 35	9 20	10	8 5	10,984 4,420	55,660 19,439	91,352 36,527	8,914 1,668	14,548 4,240	76,321 20,097	
39	Miscellaneous manufactures6	123	86	23	14	6,631	30,068	50,112	2,303	3,135	15,931	

For footnotes, see end of table.

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947—Continued

(See text for explanation of column captions)

			TOCC OCX O	TOT CAPI	ana cron o	1954	(LONS)			100	147
Ind.			Number	of establ	iahments		ployeesl	Value	Capital		Value
group code		Total number of estab- lishments	1-19 em- ployeea	20-99 em- ployeea	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	All employees, number	added by manu- facture
			project	projecti	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
						REA	DING AREA ¹¹				
	All industries, total*	670	352	216	102	48,957	166,355	291,644	18,444	53,024	230,161
20 22 23 24 25	Food and kindred products ³ Textile mill products. Apparel and related products Lumber and wood products ⁴ . Furniture and fixtures.	123 151 52 24 12	87 54 12 19 7	26 68 28 5	10 29 12	4,240 13,454 3,706 293 215	13,048 36,739 8,298 968 695	24,923 52,222 12,980 1,097 1,091	1,543 2,264 189 51 (*)	3,362 17,609 4,651 489 114	19,776 67,664 12,319 1,996 524
26 27 28 31 32	Pulp, paper, and products Printing and publishing Chemicals and products Leather and leather products Stone, clay, and glass products	23 42 25 13 14	5 36 18 2 9	15 5 5 5	3 1 2 6 1	1,495 863 941 1,724 588	6,054 3,293 4,227 4,444 2,380	10,709 6,015 9,880 6,546 6,172	264 610 1,927 (*) (*)	1,371 617 825 1,321 687	7,606 3,039 5,817 5,209 2,578
36 37	Primary metal industries	38 42 56 11 10 26	15 23 37 2 5	10 16 12 3 2 7	13 3 7 6 3 3	5,838 2,392 6,777 1,346 2,724 1,301	25,097 8,720 28,026 4,876 12,049 4,347	49,816 15,200 45,672 12,177 23,461 8,395	4,241 792 1,963 (*) (*) 761	6,545 2,758 7,098 1,008 2,108 955	31,374 12,924 34,928 6,510 9,268 3,471
						YOR	K AREA ¹²				
	All industries, total*	625	322	195	108	45,728	163,177	277,904	18,619	42,117	189,999
20 21 22 23 25	Food and kindred products ³ Tobacco manufactures Textile mill products. Apparel and related products Furniture and fixtures	122 55 34 58 43	77 33 13 11 18	37 12 10 32 17	8 10 11 15 8	3,814 2,391 3,381 4,757 3,556	12,578 5,217 10,351 10,584 12,092	22,587 9,714 14,373 12,725 19,650	1,438 241 497 154 469	3,133 2,871 3,029 4,668 2,711	18,303 8,737 12,215 10,104 11,462
26 27 28 31 32	Pulp, paper, and products Printing and publishing Chemicals and products Leather and leather products Stone, clay, and glass products	22 53 14 13 26	6 38 8 3 16	8 10 6 6 7	8 5 4 3	2,464 1,799 252 1,865 923	10,871 7,234 952 4,718 3,402	22,436 12,544 1,730 8,516 6,425	4,417 481 (*) (*) 2,363	2,667 965 189 1,999 790	22,394 4,321 888 8,375 3,648
33 34 35 36 39	Primary metal industries Fabricated metal products Machinery, except electrical Electrical machinery Miscellaneous manufactures ⁶	18 32 61 7 17	4 11 37 2 6	10 13 14 3 4	4 8 10 2 7	1,422 3,860 9,264 734 3,260	5,481 14,241 42,163 2,946 14,281	10,348 24,509 75,720 5,045 19,282	(*) 999 4, 306 (*) (*)	1,922 4,170 9,430 211 1,163	9,807 23,067 39,542 1,363 4,819
						YOUN	GSTOWN AREA				
		Z™All man	ufacturin	g" totals	for the	Youngstown S	tandard Metr	opolitan Are	a (which inc	ludes Mercer	County in

Pennsylvania) appear in Table 4. Industry group statistics for this area are shown in the 1954 Census of Manufactures Preliminary Report for the State of Ohio, MC-S34.7

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

.Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, the employment and payroll figures for such central administrative offices and auxiliary units of manufacturing establishment area are shown in the table below. Comparable data for 1947 are not available.

Standard Metropolitan Area	Employees (number)	Payroll (\$1,000)
Allentown-Bethlehem-Easton	3,856 159	30,159 1,080
Lancaster. Philadelphia	1,000-2,500 16,101	
PittsburghReading.	28,162 306	193,254 1,788
York	100-250	250-500

2The Allentown-Bethlehem-Easton Standard Metropolitan Area consists of Lehigh and Northampton Counties, Pennsylvania; Warren County, New Jersey.

3The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

4954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plua those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual standard metropolitan areas.

3The Erie Standard Metropolitan Area consists of Erie County, Pennsylvania.

4Includes privately owned and/or operated establishments classified in Major Industries as defined by the Standard Industrial Classification.)

7The Lancaster Standard Metropolitan Area consists of Eucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania; Burlington, Canden, and Gloucester Counties, New Jersey.

9The sum of industry group figures may not equal the "All industries" total due to the independent rounding of detail and total figures.

10The Pittsburgh Standard Metropolitan Area c

PENNSYLVANIA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

(See text for explanation of column captions) 1954 1947										
		Number	of establ	ishments		ployees				
Standard metropolitan area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)
Pennsylvania	18,850	11,217	5,020	2,613	1,425,032	5,586,438	9,939,939	625,411	1,441,697	6,926,057
STANDARD METROPOLITAN AREAS¹										
Allentown-Bethlehem-Easton ² Portion in Pennsylvania Portion in New Jersey	1,007	472	361	174	90,134	322,784	584,959	43,699	88,614	360,669
	891	413	323	157	80,079	284,602	513,612	41,226	79,484	319,218
	116	59	38	19	10,055	38,182	71,347	2,473	9,130	41,451
Altoona ³ Erie ² Harrisburg ⁴ Johnstown ⁵ Lancaster ²	138	87	25	26	8,428	25,971	46,067	4,861	8,423	33,152
	421	237	110	74	39,703	168,175	275,648	15,261	46,285	224,906
	410	239	102	69	32,082	107,800	193,660	12,012	30,884	144,585
	321	230	66	25	23,479	83,001	123,167	7,348	23,704	99,626
	614	350	170	94	43,082	152,415	291,149	16,486	39,139	177,965
Philadelphia ²	8,116	4,960	2,192	964	549,484	2,301,171	4,056,021	277,937	531,809	2,772,649
Portion in Pennsylvania	7,199	4,336	,1,992	871	481,066	2,004,003	3,520,791	228,235	468,170	2,438,561
Portion in New Jersey	917	624	200	93	68,418	297,168	535,230	49,702	63,639	334,088
Pittsburgh ² Reading ² Scranton ⁶ Wilkes-Barre-Hazelton ⁷ York ²	2,401	1,477	523	401	305,015	1,372,343	2,489,294	164,227	337,928	1,704,327
	670	352	216	102	48,957	166,355	291,644	18,444	53,024	230,161
	483	254	147	82	30,801	91,781	161,759	12,492	24,999	83,960
	631	322	208	101	36,889	97,336	156,171	5,260	35,676	126,165
	625	322	195	108	45,728	163,177	277,904	18,619	42,117	189,999
Youngstown ⁶ . Portion in Pennsylvania. Portion in Ohio.	726	437	167	122	105,024	477,998	868,058	49,262	109,021	569,388
	144	94	35	15	19,289	88,339	187,393	7,008	20,986	123,527
	582	343	132	107	85,735	389,659	680,665	42,254	88,035	445,861
COUNTIES										
Adams. Allegheny. Armstrong. Beaver. Bedford.	106 1,694 102 198 59	62 1,068 74 92 50	27 371 18 55 8	17 255 10 51	5,399 195,571 7,091 47,856 1,043	14,462 891,640 31,455 214,607 2,345	24,612 1,660,901 77,902 400,223 3,582	1,404 106,830 2,248 26,906 127	5,114 222,460 7,666 44,428 885	17,229 1,139,275 74,896 233,149 2,338
Berks. Blair Bradford Bucks. Butler.	670	352	216	102	48,957	166,355	291,644	18,444	53,024	230,161
	138	87	25	26	8,428	25,971	46,067	4,861	8,423	33,152
	63	36	18	9	4,180	13,793	29,068	1,107	4,005	17,937
	435	260	128	47	35,546	153,770	260,971	15,676	17,136	73,685
	139	89	29	21	10,496	44,219	89,446	3,739	9,530	45,466
Cambria. Cameron. Carbon. Centre. Chester.	180	118	43	19	20,851	77,558	112,803	6,645	22,249	95,796
	11	7	1	3	1,929	7,240	14,157	(*)	1,806	5,216
	108	54	37	17	7,436	20,603	35,914	1,123	7,360	34,515
	86	61	16	9	3,720	12,548	32,047	1,469	4,029	17,816
	291	172	77	42	20,983	88,278	145,186	14,739	17,230	83,933
Clarion.	80	59	18	3	2,397	8,865	17,283	709	1,840	10,250
Clearfield	145	98	33	14	5,147	17,046	27,400	1,071	5,060	20,350
Clinton	62	40	11	11	5,588	20,112	35,358	1,471	5,430	26,452
Columbia	119	68	38	13	10,585	35,425	49,544	2,627	10,089	46,843
Crawford	135	98	25	12	8,599	33,836	61,298	2,772	10,378	50,083
Cumberland. Dauphin. Delaware Elk. Erie	137	79	34	24	8,065	25,140	48,942	3,261	7,695	30,278
	273	160	68	· 45	24,017	82,660	144,718	8,751	23,189	114,307
	393	240	91	62	52,913	256,038	447,883	44,171	48,358	266,657
	63	37	10	16	7,263	26,545	47,834	3,851	6,839	28,607
	421	237	110	74	39,703	168,175	275,648	15,261	46,285	224,906
Fayette Forest. Franklin Fulton Greene.	171 13 124 23 32	124 11 80 22 23	32 1 29 1 7	15 1 15 	6,887 (*) 8,914 (*) 645	22,017 (*) 27,908 (*) 1,443	40,103 (*) 51,379 (*) 2,228	1,617 (*) 2,310 (*) 72	9,568 (*) 9,204 (*) 305	48,912 (*) 34,856 (*) 1,177
Huntingdon	73	52	14	7	3,479	11,015	18,954	842	3,899	13,102
Indiana	82	62	12	8	2,787	8,814	15,101	607	1,991	7,729
Jefferson	97	73	15	9	4,259	13,304	25,627	875	3,413	14,747
Juniata	45	35	8	2	902	2,215	3,581	57	803	1,854
Lackawanna	483	254	147	82	30,801	91,781	161,759	12,492	24,999	83,960
Lancaster	614	350	170	94	43,082	152,415	291,149	16,486	39,139	177,965
Lawrence.	141	84	34	23	13,973	60,144	105,423	3,620	16,557	77,733
Labanon	183	92	58	33	12,273	39,672	68,187	3,121	13,391	49,441
Lehigh	478	238	158	82	33,120	115,324	202,207	8,034	35,720	148,372
Luzerne	631	322	208	101	36,889	97,336	156,171	5,260	35,676	126,165
Lycoming. McKean. Merrer. Mifflin. Monroe.	233	133	63	37	17,257	58,892	100,964	3,489	15,335	58,645
	127	86	21	20	7,204	26,229	48,550	3,563	6,271	33,089
	144	94	35	15	19,289	88,339	187,393	7,008	20,986	123,527
	65	43	16	6	6,364	23,260	34,045	2,071	7,243	32,055
	106	68	29	9	4,119	13,376	21,191	1,105	3,742	17,339

For footnotea, see end of table.

Table 4. -GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 -- Continued

(See text for explanation of column captions)											
					1954				19	47	
Standard metropolitan	m-+-1	Number of establishments with—			All employees		Value	Capital	A11	Value	
area and county	Total number of estab- lishments	em-	20-99 em-	100 or more em-	Number ·	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture	
	lisiments	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
COUNTIESContinued											
Montgomery		464	236	136	61,907	256,186	459,036	40,455		284,145	
Montour	19 413	11	3 165	5 73	2,371	9,277	14,995	(*)	1,225	3,758	
Northampton	164	83	53	28	46,959 12,905	169,278 38,198	311,405 71,567	33,192		170,846	
Perry	53	41	11	1	931	2,146	4,440	4,660 153	14,325	58,016 3,351	
			11	_	751	2,140	4,440	100	ريدو	١ ١ ١ ١ ١ ١	
Philadelphia	5,244	3,200	1,460	584	309,717	1,249,731	2,207,715	113,194	328,325	1,730,141	
Pike	19	18		1.	296	989	1,609	(*)	1 65	655	
Potter	44	36	7	1	605	1,748	2,518	74	1,033	2,765	
Schuylkill	276	127	99	50	18,512	48,612	83,212	12,020		49,773	
Snyder	64	44	14	6	1,768	4,446	6,977	358	1,465	4,724	
Somerset	141	112	23	6	2,628	5,443	10,364	703	1,455	3,830	
Sullivan	22	16	3	3	677	1,581	2,409	311	389	1,050	
Susquehanna	53	33	13	7	2,214	6,591	11,153	296	1,038	3,724	
Tioga	42	29	8	5	3,051	10,830	18,548	1,745	3,456	20,223	
Union	37	24	9	4	1,402	3,497	5,935	257	_ 1,425	3,895	
Venango	108	78	14	16	7,254	27,558	55,020	3,614	8,576	49,414	
Warren	95	59	23	13	4,844	19,278	37,825	1,574	5,070	24,540	
Washington	167	101	35	31	21,753	94,121	158,285	9,125		97,876	
Wayne	81	61	14	6	2,354	6,372	8,896	376	1,973	6,237	
										·	
Westmoreland	342	216	62	64	39,835	171,975	269,885	21,366	49,313	234,027	
Wyoming	32	23	8	1	628	1,327	1,963	148	748	2,816	
York	625	322	195	108	45,728	163,177	277,904	18,619	42,117	189,999	

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Altoona		:::
Scranton	50 - 100 360	250-500 1,416 4,225
Youngstown	629	l

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

For definitions of standard metropolitan areas, and the central administrative office and auxiliary unit employment and payroll for these areas, see Table 3 footnotes.

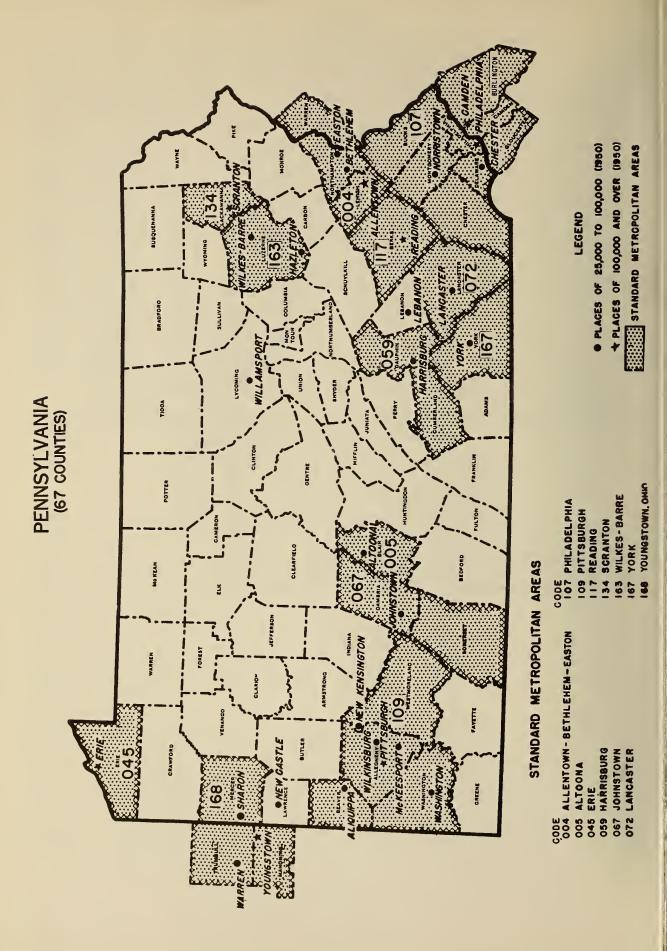
The Altoona Standard Metropolitan Area consists of Blair County, Pennsylvania.

The Harrisburg Standard Metropolitan Area consists of Cumberland and Dauphin Counties, Pennsylvania.

The Johnstown Standard Metropolitan Area consists of Cambria and Somerset Counties in Pennsylvania.

The Wilkes-Barre-Hazelton Standard Metropolitan Area consists of Luckavanna County, Pennsylvania.

The Wilkes-Barre-Hazelton Standard Metropolitan Area consists of Lucerne County, Pennsylvania, Mahoning and Trumbull Counties, Ohio.



July 1956

Series:

MC-S38

RHODE ISLAND

SUMMARY STATISTICS FOR THE STATE, ITS METROPOLITAN STATE ECONOMIC AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.—GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

		 		
Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	2,650	2,213	+20
1-19 employees	do	1,801 601 248	1,397 517 299	+29 +16 -17
All employees ¹ Number Payroll	Thousands Million dollars	120.3 413.2	147.4 375.7	-18 +10
Value added by manufacture		676.7 27.8	658.9 34.6	+3 -20

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 1.1 thousand employees with a payroll of \$6.5 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column cantions)

	(See sens 101 expensional of contain capations)											
						1954				1947		
Ind.	Major industry	Total	Number	of establ with—	ishments	All em	ployees ¹	Value	Capital	All	Value	
code		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture	
		 			proyees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
	All industries, total*	2,650	1,801	601	248	120,316	413,187	676,678	27,759	147,382	658,905	
20 22 23	Food and kindred products ² Textile mill products Apparel and related products	269 377 74	214 149 40	40 137 25	15 91 9	6,122 35,159 3 _. 933	22,638 116,809 9,659	40,615 175,544 17,476	2,092 6,473 159	4,539 62,336 3,132	22,985 277,033 11,070	
24 25 26	Lumber and wood products ³ Furniture and fixtures Pulp, paper, and products	35 35 41	29 27 18	5 8 19	1 4	474 495 1,783	1,669 1,787 6,164	2,407 2,838 9,396	86 65 338	495 792 1,988	2,202 2,918 8,467	
27 28 30	Printing and publishing Chemicals and products Rubber products	155 63 19	127 50 7	21 11 3	7 2 9	3,460 1,228 5,366	15,158 5,246 20,451	23,544 11,679 34,868	752 1,987 (*)	3,258 1,349 6,716	15,925 10,239 29,318	
	Leather and leather products Stone, clay, and glass products Primary metal industries	22 43 66	13 34 43	8 6 12	1 3 11	702 2,003 5,805	2,391 7,802 24,034	3,538 14,443 48,838	48 470 1,982	430 1,053 5,099	1,835 4,492 28,568	
35	Fabricated metal products Machinery, except electrical Electrical machinery	304 231 27	241 172 11	49 42 4	14 17 12	7,326 11,796 4,663	25,383 47,412 15,921	40,791 75,036 30,036	1,537 4,269 1,059	7,825 17,310 5,289	38,246 69,170 24,135	
37 38 39	Transportation equipment	30 26 828	22 12 591	6 11 191	2 3 46	1,286 1,206 27,136	4,806 3,756 80,185	8,911 6,058 128,647	444 185 4,060	274 1,712 23,077	881 8,354 100,388	

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

State.
...Represents zero.

'In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Rhode Island reported 1,071 employees with a total payroll of \$6,524 thousand. Comparable data for 1947 are not available.

'The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

'1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importanc

Table 3.—GENERAL STATISTICS FOR METROPOLITAN STATE ECONOMIC AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

						1954				19	47
Ind.	Ma Jan 2 2 2		Number	of establ with—	ishments	All em	ployees ¹	Value	Capital	All	Value
group		Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture
			projects	projects	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total*	2,526	1,716	570	240	115,562	396,995	650,445	26,778	141,968	638,438
20 22 23 24 25 26	Food and kindred products. Textile mill products. Apparel and related products. Lumber and wood products ⁴ . Furniture and fixtures. Pulp, paper, and products. Printing and publishing.	348	190 141 38 24 27 18	37 122 24 3 7 19	15 85 9 1 4	5,838 31,881 (*) 341 (*) 1,783	21,771 105,417 (*) 1,211 (*) 6,164	39,081 158,810 (*) 1,724 (*) 9,396	1,987 5,762 (*) 80 (*) 338		
28 30 31 32 ·33	Chemicals and products. Rubber products. Leather and leather products. Stone, clay, and glass products. Primary metal industries.	18	48 6 13 28 43	10 3 8 5	2 9 1 3 11	(*) (*) 702 1,941 5,805	(*) (*) 2,391 7,552 24,034	(*) (*) 3,538 14,109 48,838	(*) (*) 48 466 1,982	(NA)	(NA)
34 35 36 37 38 39	Fabricated metal products Machinery, except electrical. Electrical machinery. Transportation equipment Instruments and related products. Miscellaneous manufactures ⁵		236 166 10 12 11 586	49 40 3 5 11 190	13 17 11 2 3 46	7,197 11,699 (*) 1,209 (*) 27,053	24,939 46,955 (*) 4,571 (*) 79,931	39,806 74,258 (*) 8,708 (*) 128,234	1,509 4,225 (*) (*) (*) 4,030		

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

e.Represents zero. NANOt available.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often re-In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns of ten reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the Providence Metropolitan State Economic Area reported 1,000-2,500 employees with a total payroll of \$5,000-10,000 thousand. Comparable data for 1947 are not available.

2 The Providence Metropolitan State Economic Area, consisting of Bristol, Kent, and Providence Counties, Rhode Island is a whole county approximation to the Providence Metropolitan State Economic Area which is defined on a city-and-town basis. (See the discussion on New England SMA's in

mation to the Providence Metropolitan State Economic Area which is defined on a city-and-town basis. (See the discussion on New England SMA's in the "Standard Metropolitan Areas" section of the release text.)

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual Metropolitan State Economic Areas.

1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Savmills and Planing Mills (Industry 2421) that produced more than 200,000 boarf feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual Metropolitan State Economic Areas.

Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 4. --GENERAL STATISTICS FOR METROPOLITAN STATE ECONOMIC AREAS AND COUNTIES: 1954 AND 1947

(See text for explonation of column centions)

(See text for explanation of column captions)											
					1954				19	47	
Standard metropolitan		Number	of establ with—	ishments	All emp	ployees	Value	Capital	All	Value	
area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)	
Rhode Island, total	2,650	1,801	. 601	248	120,316	413,187	676,678	27,759	147,382	658,905	
METROPOLITAN STATE ECONOMIC AREAS Providence ¹	2 , 526	1,716	570	240	115,562	396,995	650,445	26,777	141,968	638,438	
Bristol. Kent. Newport. Providence Washington.	59 2 00 47 2,267 77	35 133 37 1,548 48	14 49 8 507 23	10 18 2 212 6	5,167 8,080 978 102,315 3,773	17,401 28,970 3,244 350,624 12,945	29,139 40,443 6,980 580,863 19,251	1,015 1,661 178 24,102 800	5,832 7,722 690 128,414 4,724	27,181 36,665 2,445 574,592 18,022	

¹for definition of the Providence Matropolitan State Economic Area, and the central administrative office and auxiliary unit employment and payroll for this area, see Table 3 footnotes.

1954 Census of Manufactures

June 1956 Series: MC-S39

SOUTH CAROLINA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

(DGC TGLV TGT CAPITALITY)												
Item	Unit of measure	1954	1947	Percent change 1947-1954								
Number of establishments, total	Number	2,728	2,135	+28								
1-19 employees	do	1,892 469 367	1,364 476 295	(1) -1 +24								
All employees ² Number Payroll	Thousands Million dollars	218.1 628.2	188.8 377.1	+16 +67								
Value added by manufacture		1,032.7 59.2	793.9 61.7	+30 -4								

¹See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 0.4 thousand employees with a payroll of \$2.0 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2 .- GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column centions)

	(bee text for expranation of column captions)											
			-			1954				19	47	
Ind.	Major industry	Total	Number	of eatabl: with—	iahmenta	All employeea ¹		Value	Capital	A11	Value	
group	group	number of estab- lishments	1-19 em- ployeea	20-99 em- ployeea	100 or more em-	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- turea, new (\$1,000)	employeea, number	added by manu- facture (\$1,000)	
					ployeea		(\$1,000)	(41,000)	(41,000)		(\$1,000)	
	All industries, total*	2,728	1,892	469	367	218,141	628,222	1,032,736	59,247	188,760	793,915	
20 22 23	Food and kindred products ² Textile mill products Apparel and related products	371 277 137	271 32 33	74 54 41	26 191 63	9,127 125,927 21,210	25,956 351,684 45,218	55,194 544,739 73,605	6,657 33,764 2,369	7,787 124,559 10,824	33,928 558,680 38,292	
24	Lumber and wood producta ³	1,259	1,082	145	32	18,203	32,982	52,685	2,774	22,072	59 ,97 1	
25 26	Furniture and fixtures	57	43	9	5	2,462	6,184	10,070	402	2,468	6,484	
26	Pulp, paper, and products Printing and publishing	25 175	149	19	9 7	6,178 2,871	25,445	68,504 17,468	4,994 763	5,846 2,025	36,879 8,994	
28	Chemicals and products	119	67	43	9	19,294	93,089	143,135	2,995	3,637	16,595	
32 33	Stone, clay, and glass products Primary metal producta	95 11	58 6	29 3	8 2	4,342 549	12,949 1,900	24,916 4,733	1,930 (*)	3,121 766	10,565 4,243	
34 39	Fabricated metal products Miscellaneous manufacturea4	58 37	47 30	8 4	3	1,094 1,177	3,313 3,475	6,259 5,711	303 485	392 721	1,533 1,382	

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid diaclosing figures for individual companies or (b) permit further checking of data for smaller industry groupa. Additional publishable detail will appear in the final bulletin for this

In addition to the employment and payroll totals shown in the table for operating manufacturing eatablishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., atorage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of South Carolina reported 379 employees with a total payroll at \$2,034 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24. "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Campa

³1954 Census totals for Major Industry Group 24, "Lumber and Wood Producta," are not strictly comparable with 1947 data. In 1947, Logging Campa and Contractora (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing leaa than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and

small mills for individual Statea.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessoriea." (Establishments which are both owned and operated by the government are excluded from manufacturing industries are defined by the Standard Industrial Classification.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

	1954						1947			
Standard metropolitan		Number	of establ	ishments	All em	ployees	Value	Capital		Value
area and county	Total number of estab- lishments	еш-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
South Carolina, total	2,728	1,892	469	367	218,141	628,222	1,032,736	59,247	188,760	793,915
STANDARD METROPOLITAN AREAS ¹										,.
Augusta ² Portion in South Carolina Portion in Georgia	175 50 125	101 31 70	45 6 39	29 13 16	27,899 19,334 8,565	112,591 88,120 24,471	153,932 107,568 46,364	4,183 1,675 2,508	15,094 6,155 8,939	56,444 19,149 37,295
Charleston ³	152 147 250	90 98 151	39 31 50	23 18 49	9,253 7,698 27,815	26,957 20,813 79,065	49,106 35,592 123,530	5,835 2,110 5,593	9,972 6,935 26,274	39,617 27,190 128,045
COUNTIES										
Abbeville. Aiken Allendale. Anderson Bamberg.	18 50 18 109 24	11 31 13 61 15	4 6 3 16 7	3 13 2 32 2	973 19,334 516 16,372 823	2,200 88,120 1,211 44,801 1,696	3,867 107,568 1,899 72,266 2,491	(*) 1,675 (*) 4,910 82	2,679 6,155 342 13,832 809	12,479 19,149 710 64,476 2,117
Barnwell. Beaufort Berkeley. Calhoun. Charleaton.	14 18 37 22 152	12 14 26 21 90	1 4 7 	1 4 1 23	288 237 1,177 449 9,253	515 400 2,323 883 26,957	802 744 3,490 2,216 49,106	(*) (*) 298 35 5,835	338 292 843 359 9,972	520 572 2,477 755 39,617
Cherokee. Chester Chesterfield Clarendon Colleton.	42 45 60 27 57	26 36 45 20 46	7 2 9 4 9	9 7 6 3 2	4,371 4,685 (*) 796 1,027	10,749 13,115 (*) 1,491 1,598	15,492 23,038 (*) 3,158 2,796	802 1,416 (*) 83 176	3,910 4,798 (*) 430 874	17,568 15,701 (*) 1,191 1,811
Darlington	51 27 59 45 83	31 19 48 32 71	12 6 8 8	8 2 3 5 3	4,966 759 1,134 1,639 2,315	15,839 1,272 2,764 4,043 5,511	28,387 1,924 5,615 9,487 8,526	2,029 98 315 407 464	4,474 947 754 824 2,226	18,367 3,684 2,026 3,874 6,458
Florence. Georgetown Greenville Greenwood Hampton	84 68 250 74 32	58 57 151 41 27	20 7 50 18 3	6 4 49 15	2,589 (*) 27,815 10,875 1,061	5,770 (*) 79,065 30,551 2,655	8,837 (*) 123,530 53,360 4,056	1,181 (*) 5,593 2,624 482	1,864 (*) 26,274 11,000 1,430	5,950 (*) 128,045 48,723 5,843
Horry. Jasper Kerahaw. Lancaster Laurens.	87 15 52 36 48	78 12 44 23 31	7 2 3 9 8	2 1 5 4 9	1,371 (*) 2,804 7,699 6,861	2,723 (*) 10,581 22,323 18,547	3,822 (*) 40,592 36,536 28,284	231 (*) 1,196 (*) 713	869 (*) 1,147 6,317 6,594	2,660 (*) 3,969 26,128 30,590
Lee. Lexington. McCormick. Marion. Marlboro.	13 99 37 32 27	8 78 32 16 16	3 17 4 11 6	2 4 1 5 5	501 2,280 (*) 1,578 2,562	1,192 5,178 (*) 3,198 6,675	1,632 8,937 (*) 5,217	(*) 767 (*) 219 908	192 2,168 (*) 1,320 1,652	510 8,435 (*) 3,703 6,395
Newberry. Oconee. Orangeburg. Pickens. Richland.	73 60 82 54 147	57 48 55 37 98	11 3 18 5 31	5 9 9 12 18	4,013 5,705 3,193 5,029 7,698	9,882 13,378 7,908 13,522 20,813	16,540 18,169 15,318 21,224 35,592	368 1,434 446 (*) 2,110	4,272 3,519 2,814 4,979 6,935	18,349 14,920 8,975 17,629 27,190
Saluda. Spartanburg. Sumter. Union. Williamsburg.	35 151 64 46 36	31 84 39 32 29	2 28 18 5 5	2 39 7 9	733 25,216 2,819 5,729 524	1,234 68,977 6,636 15,560 1,047	1,899 103,971 12,582 22,652 1,987	32 4,855 461 764 131	483 24,340 3,325 5,316 483	1,052 113,225 9,451 28,660 650
York	68	42	14	12	11,799	35,974	66,535	2,820	10,452	41,665

*Detail figurea have been withheld from publication in order to (a) avoid disclosing figurea for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

¹In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and suxiliary units for the four Standard Metropolitan Areas are given in the table below. Comparable figures are not available for 1947.

Standard Metropolitan Area	Employeea (number)	Payrol1 (\$1,000)
Augusta Charleaton Columbia Greenville	1-5	50-100 100-250 10-20 500-1,000

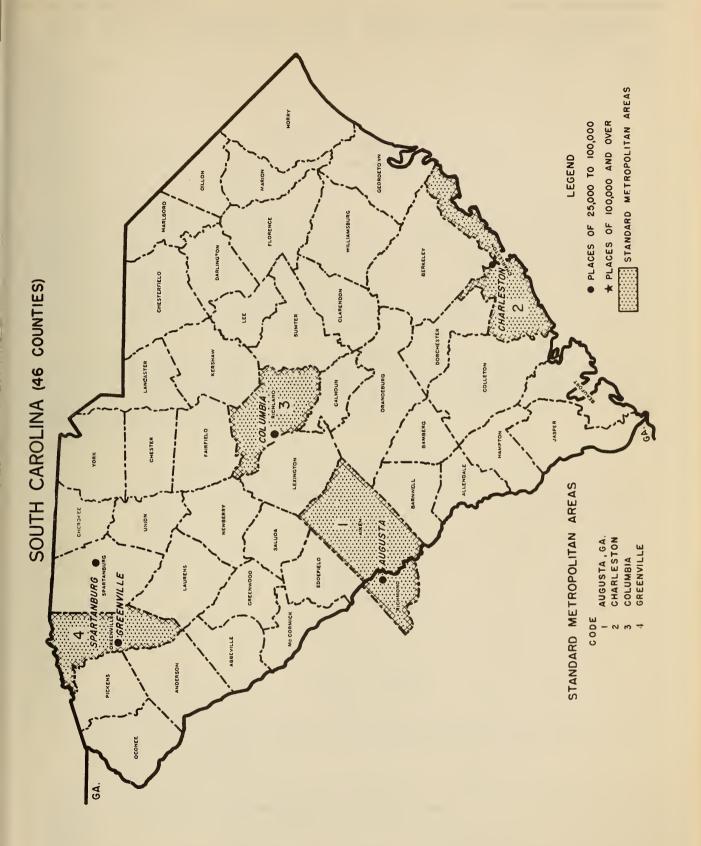
(For description of central administrative offices and auxiliary unita, see footnote 1 to Table 2.)

The Augusta Standard Metropolitan Area consists of Aiken County, South Carolina; Richmond County, Georgia.

The Charleston Standard Metropolitan Area consists of Charleston County, South Carolina.

The Columbia Standard Metropolitan Area consists of Richland County, South Carolina.

The Greenville Standard Metropolitan Area consists of Greenville County, South Carolina.



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON 25, D. C.

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PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, \$300

1954 Census of Manufactures

July 1956

Series:

MC-S40

SOUTH DAKOTA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREA, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

(See text for explanation of frems)												
Item	Unit of measure	1954	1947	Percent change 1947-1954								
Number of establishments, total	Number	548	494	+11								
1-19 employees	do	456	407	+12								
20-99 employees		77 15	76 11	+1 +36								
All employees ¹												
Number	Thousands	11.6	10.2	+1.4								
Payroll	Million dollars	41.3	25.8	+60								
Value added by manufacture	do	78.2 3.5	51.4 3.4	+52 +3								

In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported less than 20 employees with a payroll of less than 0.1 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture.—This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

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Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

						1954				19	47
Ind.	Major industry	Total	Number	of eatabl with—	ishments	All employeeal		Value	Capital	All	Value
group	greom	number of estab- lishments	1-19 em~	20-99 em-	100 or more em-	Number	Payroll	added by manu- facture	expendi~ tures, new	employeea, number	added by manu- facture
			ployees	ployeea	ployeea		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total*	548	456	77	15	11,570	41,253	78,245	3,460	10,265	51,398
20 24	Food and kindred products ²	217 69	165 62	42 5	10 2	7,780 865	28,388	56,700 3,374	2,169 137	6,827 994	35,246 3,506
27 28	Printing and publishing Chemicals and products	158 12	144 10	13 2	1	1,441 138	4,988 505	8,236 909	573 (*)	1,152 218	5,566 1,644
32 34	Stone, clay, and glass products Fabricated metal products	29 14	22 9	7 4	1	387 391	1,295 1,534	2,519 3,360	258 (*)	349 103	1,646 880
35 39	Macbinery, except electrical Miscellaneous manufactures4	17 13	14 13	2	1	307 101	1,226	1,868 567	(*)	472 76	2,398 370

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often re-

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary unita (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaryies were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and suxiliary units of manufacturers in the State of South Dakota reported 10-20 employees with a total payroll of \$50-100 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Campa and Contractors (Industry 2411) were not included. In 1954, on the other hand, all such loggers and samills were included in the Census; It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and samills for individual States. small mills for individual States.

Include privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

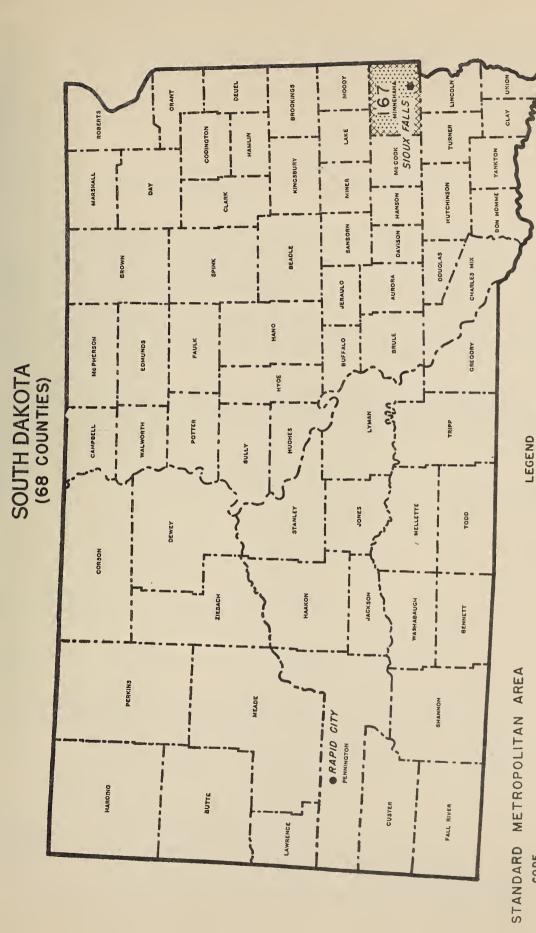
(See text for explanation of column captions)

					1954				19	manu- facture (\$1,000) 10,265 51,398 4,804 27,462 (*) (*)			
Chambras and a second		Number	of establ	ishments	All em	ployees	Vslue	Canital		Velve			
Standard metropolitan area and county	Total number of estab- liahments	em-	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	added by manu- facture (\$1,000)	Cspitsl expendi- tures, new (\$1,000)	All employees, number	added by manu- facture			
South Dakots, total	548	456	77	15	11,570	41,253	78,245	3,460	10,265				
STANDARD METROPOLITAN AREA							,,,,,,	2,	20,200	32,370			
Sioux Falla ¹	82	52	23	7	5,447	21,829	44,947	1,476	4,804	27,462			
AuroraBeadle	3 16	3 12		₁	(*) (*)	(*) (*)	(*)	(*)		(*)			
Bennett	3	3			(*) (*)	(*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)			
Brookings	5 12	5 11		:::	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)			
Brown.	34	25	8	1	707	2,499	4,393	190	662	2,958			
Brule	3	3			(*)	(*)	(*)	(*)	(*)	(*)			
Buffalo Butte	11	9		"i	204	667	858	(*)	168	514			
Campbell	1	1	•••	••••	(*)	(*)	(*)	(*)	(*)	(*)			
Charles Mix	9 4	9	•••	•••	(*)	(*)	(*)	(*)	(*)	(*)			
ClarkClay	7	4 6	· · i	:::	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)			
Codington	22	14	6	2	768	2,661	4,291	251	619	3,749			
Corson	1	1	•••	•••	(*)	(*)	(*)	(*)	(*)	(*)			
CusterDaviaon	24 23	23 17	1 5	i	163 472	446 1,627	714 1,975	27 94	213 458	765 2,367			
Day	7	6	1		(*)	(*)	(*)	(*)	(*)	(*)			
Deuel	5 2	5 2	•••	:::	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)			
Douglas	3	3	•••		(*)	(*)	(*)	(*)	(*)	(*)			
Edmunds	6	6	•••	•••	(*)	(*)	(*)	(*)	(*)	(*)			
Fall RiverFaulk.	5 1	5 1	•••	•••	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)			
Grant	11	8	3		215	731	1,312	(*)	44	181			
Gregory	-7	6	1	•••	(*)	(*)	(*)	(*)	(*)	(*)			
HaakonHamlin	1 7	1 6	 1		(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)			
Hand	2	2	•••	•••	(*)	(*)	(*)	(*)	(*) (*)	(*) (*)			
Hanson	4	4	•••	•••	(*)	(*)	(*)	(*)					
Harding Hughes	1 6	1 6	•••	:::	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*) (*)			
Hutchinson	14	13	1		(*)	(*)	(*)	(*)	(*)	(*)			
HydeJackson	1	1	•••	•••	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)			
Jerauld	4	4			(*)	(*)	(*)	(*)	(*)	(*)			
Jones	1	1	•••		(*)	(*)	(*)	(*)	(*)	(*)			
KingsburyLake	9	9 5		•••	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)			
Lawrence	23	19	3	1	384	1,239	1,981	62	232	736			
Lincoln	4	4		•••	(*)	(*)	(*)	(*)	(*)	(*)			
Lyman McCook	1 9	1 9	•••		(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)			
McPheraon	4	4			(*)	(*)	(*)	(*)	(*)	(*)			
Marshall	4	4	•••	•••	(*)	(*)	(*)	(*)	(*)	(*)			
Meade Mellette	9	8	1	:::	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)			
Miner	3	3			(*)	(*)	(*)	· (*)	(*)	(*)			
Minnehaha	82	52 3	23	7	5,447 (*)	21,829	44,947 (*)	1,476	4,804	27,462 (*)			
Pennington	48	38	9	1	913	3,131	5.090	406	914	4.490			
Perkins	7	7			(*)	(*)		(*)	(*)	(*) (*) 358 (*)			
PotterRoberts	2 9	2	i	:::	(*) 129	(*) (*) 289	(*) (*) 721	(*) (*) (*)	(*) (*)	(*) 358			
Sanborn	3	3			(*)	(*)	(*)	(*)	(*)	(*)			
Shannon.	•••			•••	,.,	;••			,.,				
SpinkStanley	4	3 1	1	:	(*) (*)	(*) (*)	(*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)			
Sully	2	2	:::	:::	(*) (*)	(*) (*)	(*) (*) (*)	(*)	(*)	(*)			
Todd	•••	•••	•••	•••									
Tripp Turner	7	6 6	1		(*)	(*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*)			
Union	8	8	:::	:::	(*) (*)	(*)	(*)	(*)	(*)	(*)			
Wslworth	8	8	:::	•••	(*)	(*)		(*)	(*)	(*)			
Ysnkton	17	15	2		182	421	583	(*)	208	749			
Ziebach		•••]		••••	***				•••			

^{*}Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

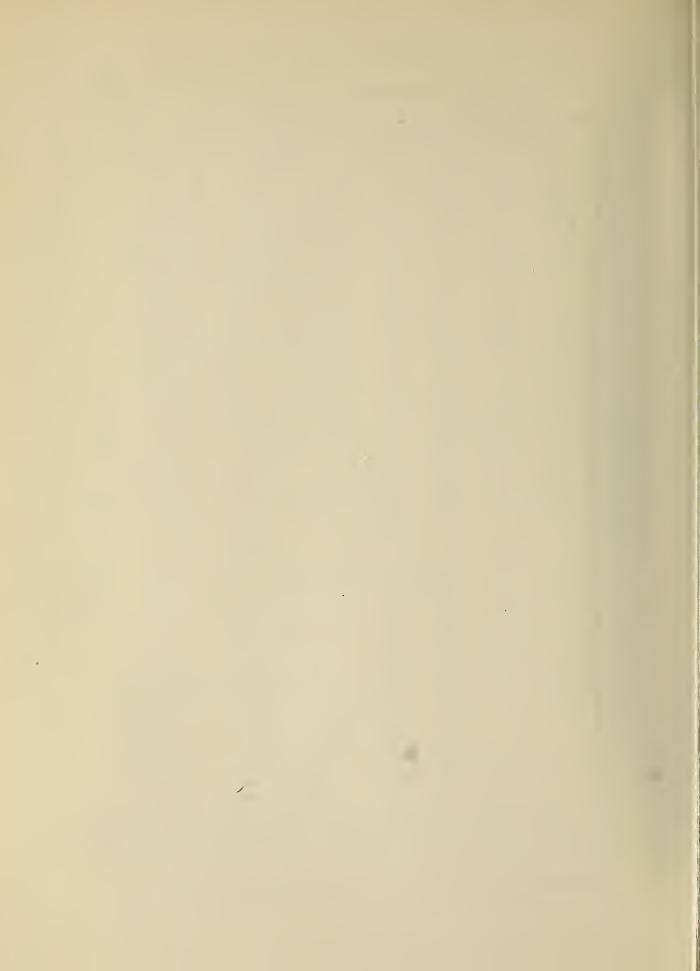
The Sloux Falls Standard Matropolitan Area consists of Minnehaha County, South Dakota. In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units located in Sloux Falls Standard Metropolitan Area reported leas than 5 employees with a payroll of less than \$50 thousand in 1954. (See footnote 1 to Table 2.)



* PLACES OF 100,000 AND OVER (1950) - NONE PLACES OF 25,000 TO 100,000 (1950) STANDARD METROPOLITAN AREA

SIOUX FALLS 138

CODE



1954 Census of Manufactures

August 1956

Series:

MC-S41

TENNESSEE

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	4,060	3,345	+21
1-19 employees		2,696 823 541	2,122 765 458	(1) +8 +18
All employees ² Number Payroll	Thousands Million dollars	261.2 851.1	222.3 476.6	+17 +79
Value added by manufacture	do	1,678.3 152.3	961.4 83.8	+75 +82

¹See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 6.9 thousand employees with a payroll of \$32.5 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

_											
						1954				19	47
Ind.		Totsl	Number	of establi with—	ishments	All em	ployees 1	Vslue	Cspitsl	A11	Vslue
code		number of estab- lishments	nlovees nlovees	100 or more em-	Number	Psyroll	sdded by msnu- fscture	msnu- tures,	employees, number	sdded by msnu- fscture	
			proyees	proyees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total*	4,060	2,696	823	541	261,220	851,137	1,678,282	152,274	222,300	961,385
20	Food and kindred products2	743	470	205	68	27 379	90,339	186,049	13,231	23,382	132,489
22 23	Textile mill products	157	30 48	53	74	32,975	83,721	139,877	6,718	35,990	
24	Lumber and wood products	1,230	1,062	37 134	92 34	28,825 17,721	53,179 40,377	83,642 68,313	1,403 3,711	19,017 20,181	47,533 56,543
			ĺ		·	.,	,		- , -	L í	
25	Furniture and fixtures	191	114	51	26	10,061	27,206	43,084	1,288	7,942	26,102
26 27	Pulp, paper, and products Printing and publishing	56 390	10 321	24	22	7,679	30,811	62,736	27,465	4,817	35,807
28	Chemicals and products	183	89	48 51	21 43	10,254	40,455 197,191	67,769 455,691	3,314 41,155	9,313 28,204	46,841 162,578
						,			,	, í	
31	Leather and leather products	65	22	9	34	10,807	25,726	57,306	604	10,455	41,411
32 33	Stone, clay, and glass products	195 55	141 23	31	23	8,471	25,988	48,628	4,135	8,115	31,952
34	Primary metal industries Fabricated metal products	194	109	17 52	15 33	11,579 15,613	45,119 53,122	92,598 94,966	23,527 7,663	15,151 14,783	86,104 52,607
	•					20,-20	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,	,	
35	Machinery, except electrical	158	105	39	14	8,602	33,821	57,251	3,255	5,508	24,256
36	Electrical machinery	39	19	14	6	3,969	13,455	32,096	2,719	1,224	5,089
37 39	Transportation equipment Miscellaneous manufactures.	39 131	22 83	9 33	8 15	6,083 8,835	25,732 31,052	56,911 45,019	2,095 5,690	5,012 2,734	22,649 8,428
						, , , , , ,	,	,	,		,

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for

companies or (b) permit further checking of data for smaller industry groups. Addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Tennessee reported 6,897 employees with a total payroll of \$32,469 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of the

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estaimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual States.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.

TENNESSEE

Table 3. - GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

(See leaving explanation of column captions)												
						1954				19	47	
Ind.	Major industry group	Total	Number	of establ	ishments	All emp	oloyees ¹	Value	Capital	All	Value	
code		number of estab-	1-19 em-	20-99 еш-	100 or more em-	Number	Payroll	added by manu- facture	expendi- tures, new	employees, number	added by manu- facture	
		lishments	ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
			CHATTANOOGA AREA ²									
	All industries, total*	407	219	98	90	42,445	142,830	276,075	33,488	38,193	149,104	
20 22 23	Food and kindred products ³ Textile mill products Apparel and related products	66 47 10	33 6 5	23 16 2	10 25 3	3,008 12,161 781	10,533 31,459 1,628	18,715 53,567 3,585	1,255 1,997 (*)			
24	Lumber and wood products4	56	47	6	3	1,299	3,265	5,548	276			
25 26 27 28	Furniture and fixtures Pulp, paper, and products Printing and publishing Chemicals and products.	26 7 42 20	15 1 34	9 ••• 7 5	2 6 1 6	1,140 1,435 840 5,351	3,164 5,303 3,452 24,043	4,914 10,734 5,887 72,996	111 (*) 161 4,968	(NA)	(NA)	
32	Stone, clay, and glass products	16	6	4	6	2,270	7,522	12,450	(*)			
33 34	Primary metal industries Fabricated metal products	17 34	6 15	5	6 10	3,334 7,053	11,934	22,092 41,496	(*) 4,643			
35 39	Machinery, except electrical Miscellaneous manufactures ⁵	29 15	20 11	3	6	1,938 615	7,804 2,351	12,310 4,836	519 (*)	,		
						M	emphis area ⁶					
	All industries, total*	637	353	191	93	42,230	153,514	336,333	31,859	36,042	202,438	
20 23 24 25	Food and kindred products ³ Apparel and related products Lumber and wood products ⁴ Furniture and fixtures	115 38 62 50	50 20 29 31	43 11 19 12	22 7 14 7	7,520 1,946 4,730 3,003	26,715 4,542 14,046 8,589	54,261 7,066 26,716 14,226	4,568 263 1,336 304	7,191 1,294 6,119 2,450	45,251 5,306 17,623 8,558	
26 27 28 32	Pulp, paper, and products Printing and publishing Chemicals and products Stone, clay, and glass products	18 75 65 18	4 66 29 11	7 6 24 7	7 3 12	3,004 1,980 3,459 499	11,907 8,252 13,636 1,578	28,367 16,415 36,489 3,716	(*) 346 16,547 (*)	1,708 1,341 3,276 567	18,190 8,651 21,798 1,869	
33 34 35 36 39	Primary metal industries Fabricated metal products Machinery, except electrical Electrical machinery Miscellaneous manufactures ⁵	10 63 45 7 33	6 39 25 2 23	4 20 15 4 8	 4 5 1 2	334 1,656 4,598 631 782	1,141 5,917 19,493 2,327 2,031	1,688 12,026 34,517 7,489 3,338	(*) 656 2,077 (*) 137	298 1,371 1,377 376 330	1,154 6,549 6,865 1,088 1,045	

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

... Represents zero.

n.a. Not available.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often rean addition to the employment and payroit totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, the employment and payroil figures for such central administrative offices and auxiliary units of manufacturers in each standard metropolitan area are shown in the table below. Comparable data for 1947 are not available.

Standard metropolitan area	Employees (number)	Payrol1 (\$1,000)
Chattanooga		1,000-2,500 2,500-5,000

The Chattanooga Standard Metropolitan Area consists of Hamilton County, Tennessee; Walker County, Georgia.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual Standard Metropolitan Areas.

1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, logging Campa and Contractora (Industry 2421) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and amail mills for individual Standard Metropolitan Areas.

Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

The Memphia Standard Metropolitan Area consists of Shelby County, Tennessee.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

					1954	· · · · · · · · · · · · · · · · · · ·			19	947
Charden 2 1/4		Number	of establ	iahmenta	All emp	ployees	Value	Capital		Value
Standard metropolitan area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
Tennessee, total	4,060	2,696	823	541	261,220	851,137	1,678,282	152,274	222,300	961,385
STANDARD METROPLITAN AREAS ¹										
Chattanooga area, total ²	407 362 45	219 191 28	98 92 6	90 79 11	42,445 36,752 5,693	142,830 127,708 15,122	276,075 249,650 26,425	33,488 32,150 1,338	33,184	149,104 128,851 20,253
Knoxville area ³ Memphis area ² Nashville area ⁴	347 637	222 353	71 191	54 93	33,825 42,230	119,436 153,514	229,623 336,333	11,655 31,859	31,193 36,042	(d) 202,438
COUNTIES										
Anderson. Bedford. Benton. Bledsoe. Blount.	23 47 8 24 44	17 29 7 23 33	11 1 6	2 7 1	(*) 2,301 147 103 (*)	(*) 5,088 262 120 (*)	(*) 9,680 267 204 (*)	(*) 1,418 (*) 15 (*)	(*) 2,832 63 183 (*)	(*) 11,096 112 209 (*)
Bradley. Campbell Cannon. Carrell Carter.	69 26 8 25 39	46 25 6 20 26	13 1 1 9	10 1 1 4 4	4,143 1,098 (*) 1,722 (*)	10,931 2,146 (*) 3,108 (*)	21,105 2,881 (*) 3,949 (*)	1,367 56 (*) 71 (*)	3,622 405 (*) 877 (*)	14,788 1,053 (*) 1,684 (*)
Cheatham. Chester. Claiborne. Clay. Cocke.	6 11 18 7 19	5 10 18 7 11		1 1 	(*) (*) (*) (*) 743	(*) (*) (*) (*) (*) 1,922	(*) (*) (*) (*) 4,545	(*) (*) (*) (*)	(*) (*) (*) (*) (663	(*) (*) (*) (*) 3,885
Coffee Crockett Cumberland Davidson Decatur	41 ; 5 ; 22 ; 461 ; 12	23 4 18 266 11	14 4 125	4 1 70 1	2,172 (*) 267 30,543 (*)	4,566 (*) 562 104,096 (*)	9,644 (*) 519 203,772 (*)	188 (*) 150 11,058 (*)	1,989 (*) 202 29,841 (*)	7,492 (*) 523 131,871 (*)
De Kalb. Dickaon. Dyer. Fayette. Fentress.	9 25 29 11 35	7 20 21 10 33	1 3 5 1 2	1 2 3 	(*) 1,104 1,232 (*) 203	(*) 2,098 2,925 (*) 284	(*) 2,380 4,949 (*) 549	(*) 50 326 (*) 22	(*) 755 1,135 (*) 133	(*) 1,670 4,183 (*) 368
Franklin. Cibson. Cilea. Crainger. Greene.	29 44 21 12 33	21 28 14 11 20	4 4 4 1 9	4 12 3 	1,112 6,655 1,032 (*) 2,433	2,674 22,432 2,334 (*) 7,314	6,404 30,163 5,172 (*) 22,121	176 980 93 (*) 1,149	1,165 2,503 1,111 (*) 1,154	3,475 7,273 4,465 (*) 4,998
Grundy Hamblen Hamilton Hancock Hardeman	27 49 362 7 29	27 24 191 7 27	17 92	8 79	130 4,308 36,752 (*) 459	202 13,350 127,708 (*) 1,118	472 31,554 249,650 (*) 2,666	63 1,627 32,150 (*) 60	97 1,989 33,184 (*) 115	268 6,115 128,851 (*) 298
Hardin Hawkins Haywood Henderson Henry.	30 17 11 19 39	25 15 9 16 33	3 1 1 2 4	2 1 1 1 2	1,053 346 269 526 1,274	1,959 1,219 469 802 2,992	3,163 1,816 952 1,212 5,873	85 (*) (*) (*)	799 382 161 280 647	2,062 1,824 443 463 1,645
Hickman. Houston. Humphreys. Jackson. Jefferson.	16 14 21 9 21	11 13 19 8 16	2 1 1 2	3 1 1 	(*) 204 251 114 837	(*) 345 448 200 1,882	(*) 413 605 298 4,136	(*) (*) 17 (*) 122	(*) 80 327 316 543	(*) 148 699 732 1,111
Johnson. Knox. Lake Lauderdale. Lawrence	14, 280 9 21 40	14 172 5 16 32	61 4 3 6	47 2 2	(*) 20,514 151 423 1,077	(*) 62,057 428 695 1,938	(*) 104,112 1,061 1,138 3,645	(*) 4,603 (*) 45 56	(*) 19,905 346 319 842	74,962 1,353 609 2,551
Lewis. Lincoln. Loudon. MeMinn. MoNairy.	11 17 27 75 28	10: 11: 21: 51: 25:	3 3 13	1 3 3 11 3	(*) 890 2,054 3,223 (*)	(*) 2,124 4,329 8,293 (*)	(*) 4,082 5,970 14,004 (*)	(*) (*) 276 (*) (*)	(*) 652 1,576 2,265 (*)	(*) 2,220 2,429 7,293 (*)
Macon. Madison. Marion. Marshall. Maury.	20 61 25 32 46	17 32 18 19 27	2 23 5 9 8	1 6 2 4 11	521 3,405 777 2,096 3,647	932 8,935 1,894 5,677 2,888	2,497 13,804 3,913 11,841 29,897	58 492 78 684 2,575	293 3,128 964 1,942 2,512	760 15,166 3,345 6,532 14,278

TENNESSEE

Table 4. -General Statistics for Standard Metropolitan areas and counties: 1954 and 1947 --Continued (See text for explanation of column captions)

					1954				19	047
Standard metropolitan area and county	Totsl number of estsb- lishments	1-19 em-	of estsbl with— 20-99 em- ployees	100 or more em- ployees	All em	Psyroll (\$1,000)	Vslue sdded by msmu- fscture (\$1,000)	Cspitsl expendi- tures, new (\$1,000)	All employees, number	Vslue sdded by msnu- fscture (\$1,000)
COUNTIES—Continued Meigs. Monroe. Montgomery. Moore. Morgan.	10 43 39 3 41	10 32 22 38	8 10 2 3	 3 7 1	(*) 1,280 2,104 (*) 245	(*) 2,673 6,329 (*) 328	(*) 5,220 13,573 (*) 492	(*) 178 1,018 (*) 34		(*) 1,996 7,053 (*) 506
Obion. Overton. Perry. Pickett	29 27 10 8 13	21 25 9 6 9	3 1 1 2	5 1 1 1 2	1,504 1,280 205 (*)	3,470 1,737 331 (*) (*)	6,901 2,076 351 (*) (*)	802 43 (*) (*) (*)	1,575 456 117 (*) (*)	5,472 968 248 (*) (*)
Putnam, Rhea Roane Robertson, Rutherford.	49 28 35 21 34	34 18 24 17 23	10 7 4 3 8	5 7 1 3	1,504 1,066 (*) (*) 978	2,795 2,167 (*) (*) 2,751	5,069 3,370 (*) (*) 6,379	262 129 (*) (*) 289	847 958 (*) (*)	2,171 2,387 (*) (*) 4,285
Scott. Sequatchie. Sevier. Shelby. Smith.	44 18 24 637 12	38 17 21 353 9	6 3 191 2	1 93 1	444 378 269 42,230 (*)	.931 607 514 153,514 (*)	1,434 1,113 1,199 336,333 (*)	83 (*) 80 31,859 (*)	531 24 254 36,042 (*)	954 74 718 202,438 (*)
Stewart. Sullivan. Summer. Tipton. Trousdale.	8 84 32 16 4	7 48 23 11 3	1 13 4 4	23 5 1	(*) (*) 1,870 534 (*)	(*) (*) 4,210 1,277 (*)	(*) (*) 9,097 1,959 (*)	(*) (*) 348 (*)	(*) (*) 2,020 393 (*)	(*) (*) 6,771 1,213 (*)
Unicoi. Union. Van Buren. Warren. Washington.	17 1 3 43 71	13 1 2 26 48	2 11 11	2 1 6 12	1,100 (*) (*) 1,718 3,337	2,228 (*) (*) 3,853 8,790	2,707 (*) (*) 7,113 13,817	(*) (*) (*) 339 946	1,378 (*) (*) 1,213 3,193	3,940 (*) (*) 3,653 12,085
Wayne Weakley White Williamson. Wilson.	15 30 26 19 26	12 25 17 16 17	2 2 7 2 5	1 3 2 1 4	495 830 1,501 472 1,118	1,169 2,088 2,527 1,201 2,661	3,106 3,000 4,530 1,845 5,032	(*) 121 137 (*) 179	418 1,012 830 550 789	1,123 2,749 1,754 1,356 2,413

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

¹In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

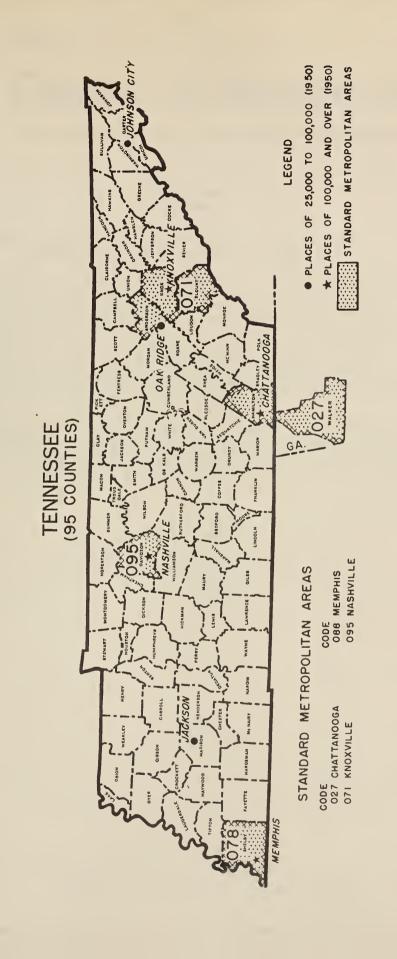
Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Knoxville		250-500 5,000-10,000

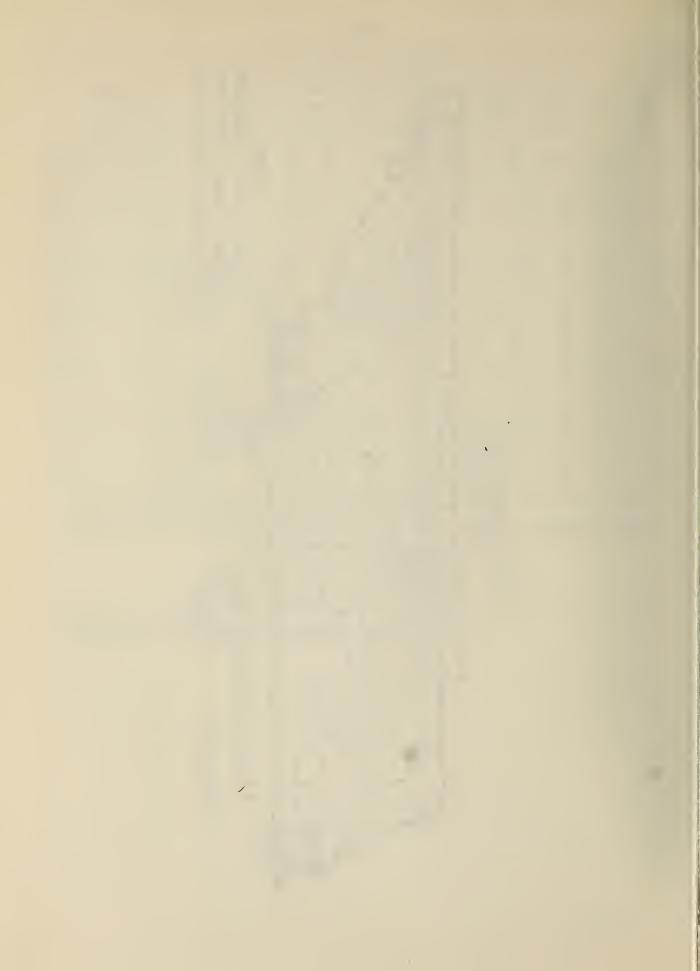
(For description of central administrative offices and auxiliary units, see foot note 1 to Table 2.

For definitions of standard metropolitan areas, and the central administrative office and auxiliary unit employment and payroll for these areas, see Table 3 footnotes.

The Knoxville Standard Metropolitan Area consists of Anderson, Blount, and Knox Counties, Tennessee.

The Nashville Standard Metropolitan Area consists of Davidson County, Temmessee.





1954 Census of Manufactures

July 1956

Series:

MC-S42

TEXAS

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	8,944 6,322	7,129 4,825	+25
20-99 employees	do	1,872 750 414.1	1,754 550	+7 +36 +39
Payroll Value added by manufacture	Million dollars	1,635.4	755.4	+116
Capital expenditures, new		456.9	304.9	+50

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 7.6 thousand employees with a payroll of \$40.4 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

					1954				19	47
Major industry	Total	Number	of estable	ishments	All employees1		Value	Capital	433	Value
	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
All industries, total*	8,944	6,322	1,872	750	414,113	1,635,449	3,508,133	456,877	297,054	1,727,476
Food and kindred products. Textile mill products. Apparel and related products. Lumber and wood products. Furniture and fixtures. Pulp, paper, and products. Printing and publishing. Chemicals and products. Petroleum and coal products. Leather and leather products. Stone, clay, and glass products. Primary metal industries. Fabricated metal products.	1,922 66 517 1,044 475 81 1,367 531 127 106 410 153	1,278 31 245 854 382 28 1,188 301 52 72 279 67	485 10 186 141 79 35 144 164 27 26 91 51	159 25 86 49 14 18 35 66 48 8 40 35	68,652 8,577 30,123 20,931 9,378 7,811 22,667 37,289 41,639 3,367 13,703 22,231	230,681 22,049 64,420 48,700 28,449 32,651 86,869 181,448 221,099 6,681 47,352 98,315	534,050 32,899 100,912 76,353 49,942 65,445 157,661 725,247 474,590 10,038 131,193 200,060	28,923 2,860 2,023 5,789 2,012 7,223 8,424 1,44,792 160,458 337 10,810 27,244	57,784 8,438 21,734 30,694 5,819 4,674 17,766 23,756 23,756 1,690 10,629 11,682	337,558 29,838 70,423 95,988 22,984 32,992 92,4,496 359,680 5,962 57,646 58,337 66,871
Machinery, except electrical Electrical machinery. Transportation equipment Instruments and related products Miscellaneous manufactures ⁴	785 91 190 87 373	568 59 113 72 313	157 20 49 10 45	60 12 28 5	31,891 5,229 57,161 1,927 10,532	144,089 21,094 271,362 6,707 38,990	314,791 38,181 367,261 16,503 52,169	18,794 1,512 17,256 867 6,721	23,300 1,946 20,735 921 3,284	129,587 12,163 91,893 3,681 14,458
	All industries, total* Food and kindred products² Extile mill products Apparel and related products lumber and wood products². Furniture and fixtures Pulp, paper, and products Printing and publishing Chemicals and products Petroleum and coal products Leather and leather products. Stone, clay, and glass products. Frimary metal industries. Fabricated metal products. Machinery, except electrical Electrical machinery. Transportation equipment. Instruments and related products.	major industry group number of establishments All industries, total*	Major industry group	Major industry group Total mumber of estab- lishments 1-19 em- ployees 1-19 em- p	Major industry group Total mimber of establishments 1-19 employees 20-99 ployees 20-	Total number of establishments Total number of establishments 1-19 em-ployees 1-19 1	Number of establishments with- Number of establishments Number of establ	Major industry group	Major industry group Total number of establishments Mumber Payroll manufactures, Mumber employees Mumber employee	Major industry group Total number of establishments with— Number of establishments with— 1-19 em— ployees p

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage werehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Texas reported 7,561 employees with a total payroll of \$40,404 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Gensus totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and

ment in Major Inquistry Group 20, "Food and American States."

1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planting Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and mall mills for individual States.

(Establishments which In 1947, Logging Camps and

small mils for individual States.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	47
Ind.			Number of establishments with—		All employees1		Value	Capital	All	Value	
group	Major industry group	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
	All industries, total	1,376	903	342	131	74,793	297,705	506,943	20,427	38,828	238,839
20 22 23 24 25	Food and kindred products. Textile mill products. Apparel and related products. Lumber and wood products ⁴ Furniture and fixtures.	12 181	93 5 83 38 55	51 3 72 10 18	32 4 26 3	10,927 1,103 8,659 608 2,295	40,661 3,530 21,343 1,841 8,369	88,673 6,412 35,272 2,647 15,573	5,247 (*) 511 151 628	7,042 1,349 7,254 833 1,747	60,341 5,679 29,920 3,465 7,664
26 27 28 29 32	Pulp, paper, and products Printing and publishing. Chemicals and products Petroleum and coal products Stone, clay, and glass products	232 87 9	11 185 62 6 36	10 42 21 1 8	7 5 4 2 6	2,312 4,779 1,995 303 1,546	9,177 18,806 8,373 1,162 5,852	14,094 34,561 34,507 3,917 15,751	867 1,493 847 (*) 1,554	1,507 3,467 1,608 539 1,053	7,960 19,423 22,766 2,661 5,777
35 36 38	Fabricated metal products	163 25	95 111 10 23 50	30 39 8 1 8	8 13 7 1 4	3,513 5,872 3,515 384 1,508	14,048 24,473 14,341 1,537 5,268	25,127 49,299 25,590 3,227 8,528	1,006 2,637 659 188 266	3,582 3,127 832 196 884	18,323 15,987 6,741 663 4,639

For footnotes, see end of table.

Table 3.—General statistics for standard metropolitan areas with 40,000 or more manufacturing employees, by major industry group: 1954 and 1947 (See text for explanation of column captions)

-		-				1954				19	47
Ind.			Number	of establ	ishments	All em	ployees 1				
group	Major industry group	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Psyrol1 (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)
			FORT WORTH AREA ⁶								
	All industries, total	603	404	142	57	48,389	211,117	368,012	16,534	32,039	146,501
20 23 24 25 26	Food and kindred products ³ Apparel and related productsLumber and wood products ⁴ Purniture and fixturesPulp, paper, and products	102 23 32 41 11	47 13 26 31 3	38 7 5 9 6	17 3 1 1 2	9,744 1,486 440 1,000 959	37,476 3,208 1,414 2,944 3,454	79,324 6,964 1,983 5,232 7,283	2,754 79 74 201 (*)	9,066 2,017 189 954 657	46,815 5,123 900 3,483 3,974
27 28 29 32 33	Printing and publishing	101 29 9 16 20	84 18 4 11 9	13 8 1 3 8	4 3 4 2 3	2,051 867 1,078 565 1,024	8,450 3,330 4,574 1,947 3,875	15,208 11,623 7,546 5,941 6,654	843 627 (*) (*) 278	1,580 838 1,089 385 768	8,445 5,814 9,515 2,579 3,278
	Fabricated metal products Machinery, except electrical Instruments and related products. Miscellaneous manufactures ⁵	54 65 8 38	36 47 6 32	15 12 2 5	, 3 6 1	1,260 2,191 154 1,202	5,077 8,866 624 4,291	7,736 18,426 1,543 6,099	775 672 (*) 336	422 1,263 83 191	1,709 7,129 295 782
						HOU	STON AREA ⁷				
	All industries, total*	1,421	958	313	150	79,038	368,444	882,550	90,529	58,254	384,718
20 22 23 24 25	Food and kindred products Textile mill products Apparel and related products Lumber and wood products ⁴ Furniture and fixtures	167 9 56 88 77	98 7 40 71 55	41 13 14 19	. 28 2 3 3 3	9,287 589 1,772 1,511 1,899	35,556 1,702 3,966 4,316 6,249	100,028 2,703 5,400 6,975 9,729	5,366 (*) 167 274 342	7,284 601 1,940 2,176 1,105	54,633 2,325 8,281 8,298 4,844
26 27 28 29 32 33	Pulp, paper, and products Printing and publishing Chemicals and products Petroleum and coal producta Stone, clay, and glass producta Primary metal industries	15 173 107 23 68 45	2 150 57 10 47 22	8 18 28 5 15	5 5 22 8 6	2,841 3,865 9,000 12,032 1,995 5,293	13,167 17,696 46,640 69,171 7,512 26,891	22,908 28,940 203,342 155,501 19,251 51,999	(*) 3,522 19,191 32,897 3,881 4,558	1,181 3,098 4,500 10,955 1,560 3,949	8,759 18,749 48,514 89,595 10,994 16,960
36 37 38	Fabricated metal products	163 248 27 42 28 72	99 170 16 24 22 60	46 52 7 16 4 8	18 26 4 2 2 4	7,865 15,525 1,097 (*) 519 1,825	34,794 77,602 4,826 (*) 2,362 7,047	57,607 182,683 8,445 (*) 4,550 11,325	5,086 10,052 487 (*) 476 483	4,877 11,954 520 (*) 415 682	27,613 72,404 2,967 (*) 1,383 2,953

*Totals include data for industry group which have been withheld from publication in order to(a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State. .Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or suxiliary units (e.g., atorage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishments. lishment. In 1954, the employment and payroll figures for such central administrative offices and auxiliary unita of manufacturers in each standard metropolitan area are shown in the table below. Comparable data for 1947 are not available.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Dallas	2,100	11,682
Fort Worth.	250-500	1,000-2,500
Houston.	1,000 - 2,500	5,000-10,000

The Dallas Standard Metropolitan Area consists of Dallas County, Texas.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Producta," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual atandard metropolitan areas.

1954 Census totals for Major Industry Group 24, "Lumber and Wood Producta," are not atrictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 241) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggera and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Producta," in 1954. No estimate has been made of the importance of these loggera and small mills for individual standard metropolitan areas.

Includes privately owned and/or operated gestablishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.

The Houston Standard Metropolitan Area consists of Tarrant County, Texas.

The Houston Standard Metropolitan Area consists of Harris County, Texas.

⁷The Houston Standard Metropolitan Area consists of Harris County, Texas.

Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

					1954				1947		
		Number	of establ	ishments	All emp	ployees		- 11 -			
Standard metropolitan area and county	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	Value sdded by msnu- fscture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)	
Texas, total	8,944	6,322	1,872	750	414,113	1,635,449	3,508,133	456,877	297,054	1,727,476	
STANDARD METROPOLITAN AREAS ¹	3,211	0,522	2,072	,,,,,	,	_,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,.,.,		_,,,,,,,,	
Amarillo ² Austin ³ Beaumont-Port Arthur ⁴ Corpus Christi ⁵ Dallas ⁶ El Paso ⁷ Fort Worth ⁶ Galveston ⁸	126 146 187 150 1,376 180 603	96 103 122 110 903 125 404	24 36 37 25 342 36 142 16	6 7 28 15 131 19 57	3,154 3,397 25,480 (,631 74,793 9,254 48,389 10,910	12,451 11,032 125,107 27,938 297,705 28,645 211,117 54,437	24,842 17,884 222,469 73,258 506,943 51,957 368,012 152,669	(*) 976 66,990 6,436 20,427 16,916 16,534 28,332	2,463 2,554 23,181 4,577 38,828 6,176 32,039 8,716	15,341 11,793 177,508 41,599 238,839 35,175 146,501 71,361	
Houston ⁶ Laredo ⁹	1,421	958 22	313	150	79,038 844	368,444 1,602	882,550 2,991	90,529 118	58,254 1,025	384,718 2,906	
Lubbock ¹⁰ San Angelo ¹¹ San Antonio ¹² . Waco ¹³ Wichita Falls ¹⁴ COUNTIES	128 77 552 149 103	100 53 399 101 69	21 20 109 30 24	7 4 44 18 10	2,824 1,865 17,839 7,836 3,145	10,152 4,741 54,308 26,523 11,661	22,918 8,211 110,103 62,870 28,016	2,044 457 4,984 7,742 1,083	1,470 827 15,514 6,451 2,972	8,558 4,746 68,931 32,621 21,648	
Anderson	34	26	7	1	851	2,326	4,953	170	917	2,910	
Andrews. Angelina Aransas. Archer.	1 65 5	1 42 3 1	14	9 1	(*) 4,295 (*) (*)	(*) 15,512 (*) (*)	(*) 32,627 (*) (*)	(*) 3,289 (*) (*)	(*) 4,522 (*) (*)	(*) 23,565 (*) (*)	
Armstrong	•••				***	* * * /\	· · ·	:::	;;;	400	
AtascosaAustinBailey.	6 11 4	10 3	1 1	•••	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	
Bandera. Bastrop. Baylor. Bee. Bee.	7 17 1 6 62	7 13 1 4 46	1 2 12	3	671 (*) (*) 1,920	1,961 (*) (*) 5,457	2,571 (*) (*) 10,930	(*) (*) (*) 473	387 (*) (*) 820	1,179 (*) (*) 3,742	
Bexer	552	399	109	44	17,839	54,308	110,103	4,984	15,514	68,931	
Blanco. Borden. Bosque. Bowie.	3 8 61	3 7 33	1 1 18	10	(*) (*) 4,558	(*) (*) 14,750	(*) (*) 22,397	(*) (*) 2,179	(*) (*) 2,536	(*) (*) 8,719	
Brazoria	27	16	7	1	(*) 500	(*) 1,617	(*) 2,946	(*) 1,807	(*)	(*) 1,368	
Brazos	28	23 8	4		(*)	(*)	(*)	(*)	(*)	(*)	
Briscoe	2 4 31	2 2 22	2		(*) (*) 764	(*) (*) 1,775	(*) (*) 2,875	(*) (*) 232	(*) (*) 442	(*) (*) 1,691	
Brown	8	7	1		(*)	(*)	(*)	(*)	(*)	(*)	
Burnet Caldwell Calhoun. Callahan	16 8 6	14 4 5	2 2 1	2	(*) 146 (*) (*)	(*) 316 (*) (*)	(*) 498 (*) (*)	(*) (*) (*) (*)	(*) 153 (*) (*)	(*) 402 (*) (*)	
Camp. Carson. Casson. Casson. Castro.	114 13 6 21 1	83 10 2 19	26 2 3 2	5 1 1	2,987 221 (*) 232 (*)	7,181 410 (*) 400 (*)	14,714 657 (*) 841 (*)	956 (*) (*) 95 (*)	2,461 507 (*) 1,008 (*)	9,967 1,225 (*) 2,913 (*)	
Chambers	5 65 8 5 2	5 46 8 4 2	15 1	4	(*) 1,465 (*) (*) (*)	(*) 2,878 (*) (*) (*)	(*) 5,213 (*) (*) (*)	(*) 215 (*) (*) (*)	(*) 1,643 (*) (*)	(*) 4,226 (*) (*)	
Coke. Coleman. Collin. Collingsworth. Colorado.	2 13 27 1 16	2 8 16 1 14	5 9 	2	(*) 224 1,554 (*) (*)	(*) 558 3,533 (*) (*)	(*) 857 5,597 (*) (*)	(*) (*) 500 (*) (*)	(*) 220 1,117 (*) (*)	(*) 706 4,327 (*) (*)	
Comanche Concho. Cooke Coryell	21 12 1 30 7	13 10 1 21 6	3 2 7 1	5 2	1,760 161 (*) 1,064 (*)	5,154 407 (*) 2,375 (*)	9,776 606 (*) 3,913 (*)	1,160 (*) (*) 2,915 (*)	1,516 124 (*) 281 (*)	6,199 983 (*) 924 (*)	
Cottle Crane Crockett. Crosby. Culberson.	5	1 1 4 1	: 1		(*) (*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*)	

For footnotes, see end of table.

Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued (See text for explanation of column captions)

	i		(See text for explanation of column captions) 1954 1947												
	_	Number of establishments All employees							1947						
Standard metropolitan area and county	Total number of estab- lishments	1-19 em-	20-99 em- ployees	100 or more em- ployees	All emp	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)					
COUNTIESContinued															
Dallam. Dallas. Davson. Deaf Smith. Delta.	10 1,376 13 17 2	8 903 12 17 2	2 342 1	131	116 74,793 (*) (*) (*)	283 297,705 (*) (*) (*)	479 506,943 (*) (*) (*)	(*) 20,427 (*) (*) (*)	139 38,828 (*) (*) (*)	774 238,839 (*) (*) (*)					
Denton. De Witt Dickens. Dimmit. Donley.	33 22 3 1 5	21 15 3 1 4	9 5 ••• 1	3 2	995 1,121 (*) (*) (*)	2,947 2,799 (*) (*) (*)	6,634 3,323 (*) (*) (*)	847 274 (*) (*) (*)	910 924 (*) (*) (*)	4,683 3,348 • (*) (*) (*)					
Duval. Eastland. Ector. Edwards. Ellis.	4 36 55 1 51	3 28 42 1 29	7 12	1 1 1 	(*) 667 896 (*) 2,015	(*) 1,391 3,937 (*) 5,175	(*) 2,478 11,050 (*) 9,019	(*) 111 333 (*) 526	(*) 434 265 (*) 1,394	(*) 1,129 3,114 (*) 5,229					
El Paso. Erath. Falls. Fannin. Fayette.	180 14 9 27 19	125 12 7 21 16	36 2 2 3 3	19	9,254 176 107 907 216	28,645 402 254 2,308 413	51,957 760 704 2,885 936	16,916 (*) (*) 637 (*)	6,176 91 94 630 211	35,175 323 413 2,338 1,313					
Fisher	5 6 1 13 8	2 5 1 8 6	1 1 3 1	2 2 1	(*) (*) (*) (*) 194	(*) (*) (*) (*) 353	(*) (*) (*) (*) 641	(*) (*) (*) (*)	(*) (*) (*) (*) (*)	(*) (*) (*) (*) 80					
Freestone. Frio. Gaines Galveston Garza.	13 4 7 87 4	11 4 6 57 3	1 16	14 1	179 (*) 105 10,910 (*)	484 (*) 458 54,437 (*)	692 (*) 1,286 152,669 (*)	(*) (*) (*) 28,332 (*)	92 (*) 52 8,716 (*)	139 (*) 734 71,361 (*)					
Gilespie Glassoak Goliad Gonzalea Gray	13 1 2 20 21	11 1 2 15 10	2 2 9	3 2	(*) (*) (*) 569 1,014	(*) (*) (*) 932 4,729	(*) (*) (*) 1,882 14,386	(*) (*) (*) 82 389	(*) (*) (*) 582 609	(*) (*) (*) 1,803 5,900					
Grayson	77 82 14 22 30	49 58 12 11 21	17 20 2 10 8	11 4 1 1	3,770 2,889 115 546 716	11,781 11,177 255 1,203 2,626	30,166 12,253 545 2,192 6,780	1,362 4,677 (*) 381 212	3,576 2,365 289 393 423	25,401 9,806 978 1,635 3,303					
Hall. Hamilton. Hansford. Hardeman. Hardin.	2 13 1 6 32	2 13 1 4 24	1 5	1 3	(*) (*) (*) (*) 1,209	(*) (*) (*) (*) 2,765	(*) (*) (*) (*) 3,544	(*) (*) (*) (*) 158	(*) (*) (*) (*) 767	(*) (*) (*) (*) 2,252					
Harris. Harrison. Hartley. Haekell. Hays.	1,421 61 5 18	958 37 3 16	313 17 2 2	150 7 	79,038 3,073 (*) 150	368,444 9,643 (*) 379	882,550 17,596 (*) 788	90,529 (*) (*) (*)	58,254 2,584 (*) 113	384,718 7,977 (*) 495					
Hemphill. Henderson Hidelgo. Hill Hockley.	4 18 116 18	4 14 89 11 8	3 22 5 1	1 5 2	(*) 456 2,311 690 (*)	(*) 1,097 4,869 1,416 (*)	(*) 2,189 9,980 1,936 (*)	(*) (*) 357 (*) (*)	(*) 311 3,117 708 (*)	(*) 911 10,303 2,283 (*)					
Hood	21 13 18	2 14 11 12	2 6 2 3	1 3	(*) 416 176 (*)	(*) 1,125 334 (*)	(*) 3,410 391 (*)	(*) 182 (*) (*)	(*) 293 792 (*)	(*) 2,165 1,767 (*)					
Hunt. Hutchinson. Irion. Jack Jackson.	50 22 5 9	34 10 3 8	11 5 2	5 7 	2,280 3,204 (*) (*) 155	7,371 15,716 (*) (*) 324	10,489 52,934 (*) (*) 577	259 (*) (*) (*) (*)	1,230 3,227 (*) (*) 59	4,778 69,171 (*) (*) 246					
Jasper. Jeff Davis. Jefferson. Jim Hogg. Jim Wells.	53 1 187 5 14	44 1 122 5 12	7 37 2	28	914 (*) 25,480 (*) 103	1,999 (*) 125,107 (*) 259	2,954 (*) 222,469 (*) 392	965 (*) 66,990 (*) (*)	1,109 (*) 23,181 (*) 88	3,452 (*) 177,508 (*) 469					
Johnson Jones Karnea. Kaufman. Kendall. For footnotes, aee end of table.	36 12 9 24 4	20 9 7 14 4	15 3 2 8	2	1,238 124 (*) 926 (*)	2,790 374 (*) 2,146 (*)	4,522 697 (*) 4,594 (*)	204 (*) (*) 254 (*)	381 162 (*) 415 (*)	962 880 (*) 1,274 (*)					

Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued (See text for explanation of column captions)

	1954							1947		
		Number	of eatabl	ishmenta	All em	ployeea				
Standard metropolitan srea and county	Totsl		with-	700			Value sdded by	Cspital expendi-	All	Value added by
prod and county	number of estab-	1-19 em-	20-99	100 or more	Maria a sa	D11	menu-	tures,	employeea, number	manu-
	lishments		em- ployees	em- ployees	Number	Payroll	facture	new		facture
				proyees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
COUNTIES—Continued										
Kenedy	• • •	•••	•••	•••	• • •	•••	•••	•••	•••	•••
Kerr	14	12	2		105	206	546	(*)	47	178
Kimble King	5	5	• • •	•••	(*)	(*)	(*)	(*)	(*)	(*)
Kinney	1		1		(*)	(*)	(*)	(*)	(*)	··· (*)
Kleberg	10	8	2		127	377	505	(*)	52	239
Knox.	42	4 24	14	4	(*) 1,713	(*) 4,654	(*) 13,609	(*) 559	(*) 1.180	(*) 4,743
Lamb	10	9	1		. (*)	(*)	(*)	(*)	(*)	(*)
Lampasas	7	5	2		(*)	(*)	(*)	(*)	(*)	(*)
La Salle	12	8		•••	(*) 294	(*) 694	(*) 1,563	(*) (*)	(*) 184	(*) 745
Lee	7	6	ĭ		(*)	(*)	(*)	(*)	(*)	(*)
Leon	7	7	•••	•••	(*)	(*)	(*)	(*)	(*)	(*)
LibertyLimestone	51 15	41 12	9	1 1	771 (*)	1,559 (*)	2,417	243	744	1,921 (*)
Lipscomb	•••	***	•••		(*)	(*)	(*) (*)	(*)	(*)	(*)
Live Oak	3	2	1 2		(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*)
	6	4		•••	(*)	(*)	(*)	(*)	(*)	(*)
LovingLubbock	128	100	21	7	2,824	10,152	22,918	2,044	1,470	8,558
Lynn McCulloch	1 11	1 8		 1	(*) 476	(*)	(*)	(*)	(*) 97	(*) 322
McLennan	149	101	30	18	7,836	1,327 26,523	2,150 62,870	7,742	6,451	32,621
McMullen					***					***
Madiaon Marion	5 15	5 11		1	(*) 255	(*) 532	(*) 1,386	(*) (*)	(*) 496	(*) 1,702
Martin	4	4		•••	(*)	(*)	(*)	(*)	(*)	(*)
Mason	3	3	•••	•••	(*)	(*)	(*)	(*)	(*)	(*)
- Matagorda Maverick	18	16 5	2	i	162 257	445 402	607 701	(*) (*)	284 262	1,622 449
Medina	13	8	4	1	(*)	(*)	(*)	(*)	(*)	(*)
MenardMidland	31	25	5	 1	(*) 421	(*) 1,811	(*) 3,689	(*) 146	(*) 70	(*) 358
Milam	9	6	2	1	1,112	4,938	15,295	(*)	98	503
Mills	1	1			(*)	(*)	(*)	(*)	(*)	(*)
Mitchell	8 15	6 12	1 3	1	(*) 276	(*) 690	(*) 1,099	(*)	(*) 303	(*) 1,228
Montgomery	66	56	6	4	1,460	3,581	7,322	310	2,135	7,510
Moore	.8	4		4	1,343	6,520	23,933	(*)	693	7,436
Morris Motley	13	8	2		1,598	6,640 (*)	14,376	(*)	568 (*)	1,089
Nscogdoches	55	38	10	7	1,743	4,595	7,121	668	1,854	5,748
Navarro	40	23	11	6	1,924	5,428	7,696	420	1,408	4,080
Newton	29 19	26 10	1 6	2	382 1,112	724 4,501	1,440 18,563	67 (*)	834 695	2,543 5,404
Nueces	150	110	25	15	6,631	27,938	73,258	6,436	4,577	41,599
Ochiltree	10	10	•••	• • •	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*)	(*) (*)
Orange	39	23	9	7	5,380	25,541	76,285	(*)	3,835	16,598
Pslo Pinto	24	14	8	2	770	2,276	3,525	210	353	1,147
Panola	13 20	12 16	1 2	2	(*) 487	(*) 1,487	(*) 3,607	(*) 157	(*) 346	(*) 1,586
Parmer	3	3		•••	(*)	(*)	(*)	(*)	(*)	(*)
Pecos	4	4		•••	(*)	(*)	(*)	(*)	(*)	(*) 4,424
Polk	44 119	39 89	24	3	1,147 3,122	2,769 12,331	5,143 24,655	168	1,369 2,426	14,985
Presidio	5	5	•••	•••	(*) (*)	(*)	(*)	(*) (*)	(*)	(*) (*)
Rains	1	1		***						
Randsll	7 3	7 2	1	•••	(*) (*)	(*)	(*) (*)	(*) (*)	(*)	(*) (*)
Real	1	1	•••		(*) 224	(*) 471	(*) 942	(*) 48	(*) 263	(*) 812
Red River	26 12	23 11	3		174	618	1,548	(*)	68	275
Refugio	3	3			(*)	(*)	(*)	(*)	(*)	(*)
Roberts	2 13	12	1	• • • •	(*) (*)	(*)	(*) (*)	(*)	(*)	(*) (tr)
RobertsonRockwall	4	3	1	• • •	(*)	(*)	(*)	(*)	(*)	(*)
Runnels	9	7	2	•••	103	331	723	(*)	55	351
Rusk	38 10	30 7	8	2	588 (*)	1,231	2,232	212	585 (*)	1,353
San Augustine	13	13		•••	(*)	(*)	(*)	(*)	(*)	(*)
San Jacinto	15 13	14	1 2	2	131 2,337	191 10,692	379 15,231	(*) (*)	85 183	197 987
San Patricio	1	1 3	-	-	2,001	10,002	2,25	\ /	100	701

For footnotes, see end of table.

TEXAS

Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued

(See text for explanation of column captions)

	1954						1947			
013313-11		Number	of establ	ishments	All em	ployees	Value	Capital		Vslue
Standard metropolitan area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	sdded by msnu- fscture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
				projects		(42,000)	(41,000)	(ψ1,000)		(ψ1,000)
COUNTIES—Continued San Saba	2	2			(*)	(*)	(*)	(*)	(*)	(*)
Schleicher	2	2			(×)	(*)	(*)	(*)	(*)	(*)
ScurryShackelford	9	8	1	• • • •	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)
Shelby	31	22	6	3	1,007	2,232	2,907	766	868	2,038
Sherman	1	1			(*)	(*)	(*)	(*)	(*)	(*)
Smith	102	72	20	10	3,926	12,973	24,208	3,898	2,459	11,676
Somervell	2 3	1 2	1	•••	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)
Stephens	6	4	2	• • •	(*)	(*)	(*)	(*)	(*)	(*)
Sterling	• • •			• • •	(*)	(*)	(*)	(*)	(*)	(*)
Stonewall	1	1		•••	(*) (*)	(*)	(*) (*)	(*) (*)	(*) (*)	(*)
Swisher	5	,5			(*)	(*)	(*)	(*)	(*)	(*)
Tarrant	603	404	142	57	48,389	211,117	368,012	16,534	32,039	146,501
Taylor	73	50	17	6 :	2,532	7,443	20,753	711 (*)	1,294	5,068
Terrell	6	5	₁	• • • •	(*) (*)	(*)	(*) (*)	(*)	(*) (*)	(*) (*)
Throckmorton			• • •		(*)	(*)	(*)	(*)	(*)	(*)
Titus	20	16	2	2	576	2,186	5,753	973	368	451
Tom Green	77 146	53 103	20 36	4 7	1,865 3,397	4,741 11,032	8,211 17,884	457 976	827 2,554	4,746 11,793
Trinity	29	26	1	2	499	1,294	1,925	31	778	2,249
Tyler	31	28	2	1	367	661	1,198	59	631	1,662
Upshur	22	20	2	•••	217	421 (*)	763	12	498	1,501
Upton Uvalde	1 11	1 9	···	1	(*) 215	(*) 417	(*) 1,333	(<u>*)</u> 68	<u>(*)</u> 245	(*) (*)
Val Verde	7	6		1	139	285	612	(*)	59	239
Van ZandtVictoria	19 25	15 16	3	1	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*) (*)
Walker	25	20	4	1	377	720	1,252	54	528	1,670
Waller	8	8	• • •	•••	(*)	(*)	(*)	(*)	(*)	(*)
Ward	8 21	16 ⁻	4 4		226 497	852 1,202	2,501 1,951	(*) 175	178 364	3,140 1,096
Washington	33	22	9	2	844	1,602	2,991	118	1,025	2,906
Wharton	26	20	6		348	978	2,722	64	354	1,386
Wheeler	7	6	1 24	***	118	454	1,208	(*) 1,083	50 2,972	311 21,648
WichitaWilbarger	103 18	69 14	3	10 1	3,145 459	11,661	28,016 2,023	1,083	424	2,068
Willacy	12	9	2	1	235	506	1,761	(*)	226	1,041
Williamson	31	21	8	2	881	2,738	9,849	1,218	601	2,431
WilsonWinkler	5 7	4 5	2	1	(*) (*)	(*) (*)	(*)	(*) (*)	(*) (*)	(*) (*)
Wise	14	11	3		176	427	737	(*)	182	549
Wood	30	26	4	• • • •	221	483	1,141	65	392	1,078
Yoakum	2	1	1	• • •	(*)	(*)	(*)	(*) (*)	(*)	(*)
YoungZapata	14 :	12	2		146	409	1,051	(*)	243	1,688
Zavala		5	2		154	457	1,120	(*)	247	768

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

*...Represents zero.

1 n addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and awtiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)	Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Amarillo	50-100	250-500	Laredo	5-10	20-50
Austin	0	0	Lubbock	10-20	50-100
Beaumont-Port Arthur	100-250	1,000-2,500	San Angelo	0	0
Corpus Christi	100~250	500-1,000	San Antonio	20-50	250-500
El Paso	100-250	1,000-2,500	Waco	100-250	500-1,000
Galveston	0	0	Wichita Falls	5-10	20-50

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

The Amarillo Standard Metropolitan Area consists of Potter and Randall Counties, Texas.

The Austin Standard Metropolitan Area consists of Travis County, Texas.

This Beaumont-Port Arthur Standard Metropolitan Area consists of Jefferson County, Texas.

The Corpus Christi Standard Metropolitan Area consists of Nueces County, Texas.

For definitions of standard metropolitan areas, and the central administrative office and auxiliary unit employment and payroll for these areas, For definitions of standard metropolitan areas, and the central administrative of see Table 3 footnotes.

7The El Paso Standard Metropolitan Area consists of El Paso County, Texas.

8The Calveston Standard Metropolitan Area consists of Calveston County, Texas.

9Ths Laredo Standard Metropolitan Area consists of Vebb County, Texas.

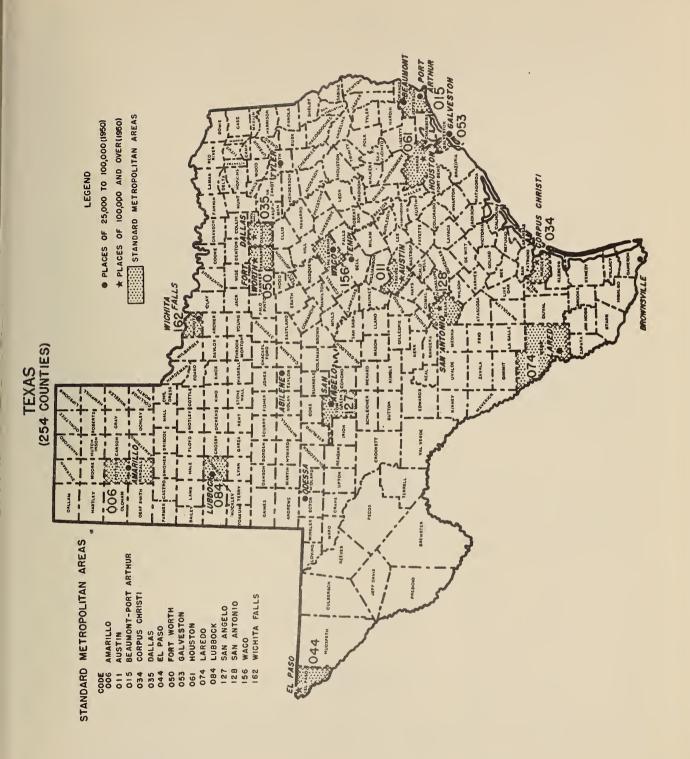
10Ths Lubbock Standard Metropolitan Area consists of Lubbock County, Texas.

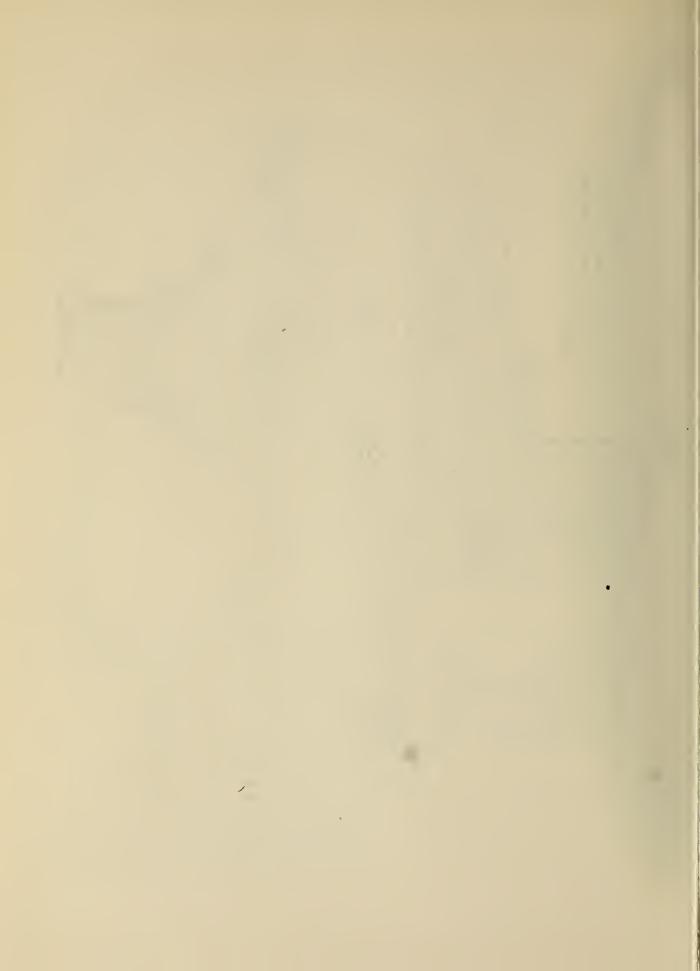
12Ths San Angelo Standard Metropolitan Area consists of Tom Green County, Texas.

12Ths San Antonio Standard Metropolitan Area consists of Bexar County, Texas.

13The Waco Standard Metropolitan Area consists of McLennan County, Texas.

14The Wichita Falls Standard Metropolitan Area consists of Wichita County, Texas.





1954 Census of Manufactures

June 1956 Series: MC-S43

UTAH

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947
(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954					
Number of establishments, total	Number	857	771	+11					
1-19 employees		625 173	545 173	+15					
100 or more employees		59	53	+11					
All employees 1		20.0	01.5	2.0					
Number	Thousands Million dollars	29.0 116.3	24.5 63.8	+18 +82					
Value added by manufacture	do	269.5	128.3	+110					
Capital expenditures, new		23.8	17.0	+40					

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported .6 thousand employees with a payroll of \$3.1 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

Capital expenditures, new.--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2 .-- GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY CROUP: 1954 AND 1947 (See text for explanation of column captions)

	1954										
Total	Number of establishmenta		All em	ployeeal	Value	Capital		Value			
number of estab- lishments	1-19 em- ployees	20-99 em- ployeea	100 or more em- ployeea	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- turea, new (\$1,000)	All employeea, number	added by manu- facture (\$1,000		
					(4-)000/	(4-,000)	(42,000)		- (4		

Ind.	Major industry	Total	Number o	of establ	iahmenta	All emp	ployeeal	Value	Capital	All	Value
group	group	number of estab- lishments	1-19 em-	20-99 en-	100 or more em-	Number	Payroll	added by manu- facture	expendi- turea, new	employeea, number	added by manu- facture
			ployees	ployeea	ployeea		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total*	857	625	173	59	29,049	116,257	269,520	23,767	24,503	128,050
20 23 25	Food and kindred products ² Apparel and related products Furniture and fixtures	259 - 35 39	173 21 34	70 8 5	16 6	7,594 1,332 363	26,280 2,721 1,645	50,459 5,192 2,515	3,850 48 69	8,036 1,179 376	42,948 3,433 1,392
27 28 29	Printing and publishing	122 41 15	108 27 7	11 9 3	3 · 5 · 5	1,754 1,374 1,834	6,775 5,758 8,947	13,354 11,017 39,657	491 1,955 (*)	1,808 642 1,427	9,342 5,112 12,222
33	Stone, clay, and glasa products Primary metal industries Fabricated metal products	55 24 69	35 9 44	14 7 20	6 8 5	1,651 7,942 2,084	6,497 36,648 9,007	17,399 92,723 16,832	1,051 6,182 984	1,092 6,544 871	5,627 24,099 4,212
36	Machinery, except electrical Electrical machinery Miscellaneous manufactures ³	43 8 37	36 6 31	4 1 6	3 1 	1,390 200 423	6,309 784 1,526	10,112 1,714 3,188	600 (*) 159	717 8 348	3,215 21 1,742

*Totals include data for industry groups which bave been withheld from publication in order to (a) avoid diaclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

State.
...Represents zero.
In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative officea or auxiliary units (e.g., storage warebouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Utah reported 583 employees with a total payroll of \$3,103 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

3Include privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(The State of Utah contains no standard metropolitan areas with 40,000 or more manufacturing employees.)

Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

	(See text for explanation of column captions)									47
Standard metropolitan				Number of establishments All employees		ployees	Value	Capital	433	Value
area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
Utah, total*	857	625	173	59	29,049	116,257	269,520	23,767	24,503	128,250
STANDARD METROPOLITAN AREAS¹ Ogden² Salt Lake City³ COUNTIES	86 449	55 322	23 93	8 34	2,955 15,242	11,092 60,902	21,882 157,611	1,898 8,687	3,303 10,836	14,470 57,779
Beaver. Box Elder. Cache. Carbon. Daggettt	1 21 36 12 2	1 16 25 12 2	 3 9	2 2	(*) 425 788 (*) (*)	(*) 1,164 2,305 (*) (*)	(*) 2,063 5,460 (*) (*)	(*) 157 350 (*) (*)	(*) 581 881 (*) (*)	(*) 2,349 6,902 (*) (*)
Davis. Duchesne Emery Carfield. Grand	32 10 1 11 2	20 10 1 11 2	9	3 	1,071 (*) (*) (*) (*)	4,153 (*) (*) (*) (*)	9,703 (*) (*) (*) (*)	1,270 (*) (*) (*) (*)	766 (*) (*) (*) (*)	4,440 (*) (*) (*) (*)
Iron. Juab. Kane Millard. Morgan.	8 2 5 5 4	8 1 5 5	 1	 	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)	(*) (*) (*) (*)
Piute Rich. Salt Lake. San Juan. Sanpete.	 1 449 3 15	1 322 2 14	93 1 1	34	(*) (*) 15,242 (*)	(*) (*) 60,902 (*) 380	(*) (*) 157,611 (*) 648	(*) (*) 8,687 (*)	(*) (*) 10,836 (*) 418	(*) (*) 57,779 (*) 2,051
Sevier. Summit. Tooele Uintah Utah	16 11 10 12 84	12 10 4 11 58	2 1 5 1 20	1 6	416 (*) (*) (*) 6,734	1,514 (*) (*) (*) 30,397	4,522 (*) (*) (*) 56,578	(*) (*) (*) (*)	181 (*) (*) (*) 5,894	558 (*) (*) (*) 31,105
Wasatch Washington. Wayne Weber	8 8 2 86	5 8 2 55	3 23		106 (*) (*) 2,955	310 (*) (*) 11,092	440 (*) (*) 21,882	(*) (*) (*) 1,898	86 (*) (*) 3,303	281 (*) (*) 14,470

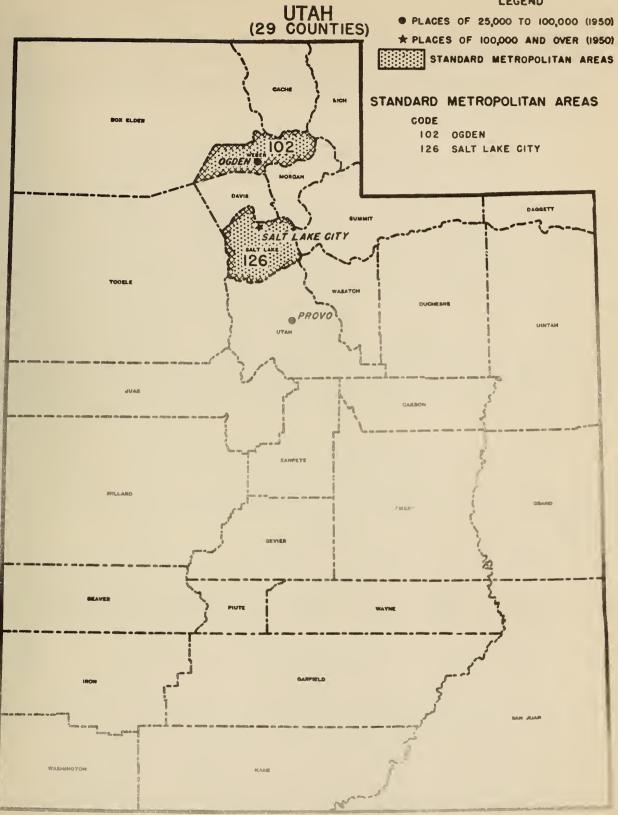
*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.
...Represents zero.
In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for the two standard metropolitan areas are given in the table below. Comparable figures are not available for 1947.

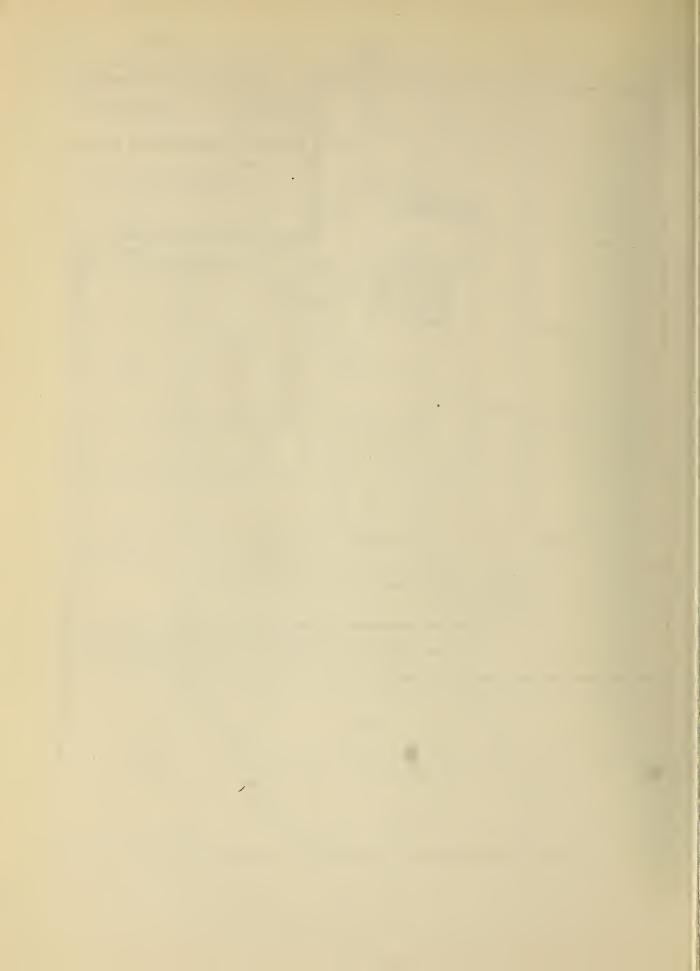
Standard metropolitan area	Employees (number)	Payroll (\$1,000)
OgdenSalt Lake City.		

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

The Ogden Standard Metropolitan Area consists of Weber County, Utah.

The Salt Lake City Standard Metropolitan Area consists of Salt Lake County, Utah.





1954 Census of Manufactures

May 1956

Series:

MC-S44

VERMONT

SUMMARY STATISTICS FOR THE STATE AND ITS COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

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Table 1. - GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	1,068	831	+29
1-19 employees		775 218 75	527 225 79	+47 -3 -5
All employees Number Payroll	Thousands Million dollars	35.9 123.1	34.9 83.0	+3 +48
Value added by manufacture		215.7 8.6	149.7 9.7	+44



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

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"Payroll." Payroll includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

"Value added by manufacture." This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

"Capital expenditures, new." This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS.--"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for Census "State Economic Areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM.-Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Census Bulletins MC-101 through MC-149 Series, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2.--GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

										1	
						1954				19	947
Ind.		Total	Number o	f eatabli	Ishments	All employees1		Value	Capital	All	Value
group	Major industry group	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payrol1	added by manufac- ture	expendi- turea, new	employees, number	added by manufac- ture
							(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total*	1,068	775	218	75	35,901	123,143	215,744	8,592	34,886	149,715
20	Food and kindred products2	160	125	30	5	2,754	9,572	25,586	1,016	2,162	14,692
22	Textile mill products	20	4	8	8	۷,279	7,297	7,581	141	4,702	17,474
23	Apparel and related products	39	15	15	9	2,249	4,456	7,901	56	1,717	4,501
24	Lumber and wood products	418	358	54	6	4,820	11,673	18,233	824	5,481	18,569
25	Furniture and fixtures	29	17	6	6	1,363	4,465	6,009	160	1,765	5,134
26	Pulp, paper, and products	20	3	12	5	1,959	8,122	14,363	902	2,653	19,744
27	Printing and publishing	79	65	10	4	1,305	4,544	7,562	5 35	1,057	3,803
28	Chemicals and products	13	10	3	• • •	231	787	2,726	(*)	341	2,777
31	Leather and leather products	9	3	4	2	536	1,421	2,372	(*)	463	1,168
32	Stone, clay, and glass products	152	106	42	4	4,191	14,670	21,804	910	2,606	12,613
33 34	Primary metal industries	12 24	6	4	2	578	2,020	2,818	(*)	641	2,042
34 35	Fabricated metal products		16 23	6	2 13	889	3,419	5,920	287	831	3,285
39	Machinery, except electrical Miscellaneous manufactures ³	47 30	15	11	5	7,811	34,012	63,727	2,813 303	7,128	30,686
	miscerianeous manuractures	30	15	10)	2,885	10,168	13,322	303	1,460	4,703

^{*}Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figurea for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

... Represents zero.

Table 3.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (The State of Vermont contains no standard metropolitan areas.)

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)										
					1954				19	347
	Total	Number of establishments with—			All employees		Value	Capital	A11	Value
Standard metropolitan area and county	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payrol1	added by manufac- ture	expendi- tures, new	employees, number	added by mamufac- ture
·						(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
Vermont, total	1,068	775	218	75	35,901	123,143	215,744	8,592	34,886	149,715
STANDARD METROPOLITAN AREAS (None in the State) COUNTIES			:							
Addison. Bennington. Caledonia. Chittenden. Essex. Franklin. Crand Isle. Lamoille. Orange. Orleans. Rutland. Washington.	43 79 71 116 24 55 1 38 53 46 139 173	32 48 54 79 20 40 1 28 43 34 107 117	7 21 13 29 1 8 9 8 9 24 54 24	4 10 4 8 3 7 1 2 3 8 2 8	1,146 3,458 1,939 5,011 (*) 1,781 (*) 594 (*) 1,151 4,653 3,211 3,293	3,035 11,342 5,863 17,648 (*) 6,410 (*) 1,373 (*) 3,232 13,786 10,796	6,856 19,570 12,273 24,538 (*) 14,202 (*) 1,963 (*) 5,561 22,835 16,218	137 871 206 1,037 (*) 641 (*) 75 (*) 234 812 551 730	880 3,365 2,106 5,766 (*) 2,110 (*) 629 (*) 1,301 3,364 3,261 3,278	2,676 11,719 9,424 23,708 (*) 11,496 (*) 2,571 (*) 4,301 13,773 14,801 16,887
Windsor	102	76	11	15	7,997	33,946	62,631	3,012	7,073	26,662

^{*}Detail figures withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bullatin for this State.

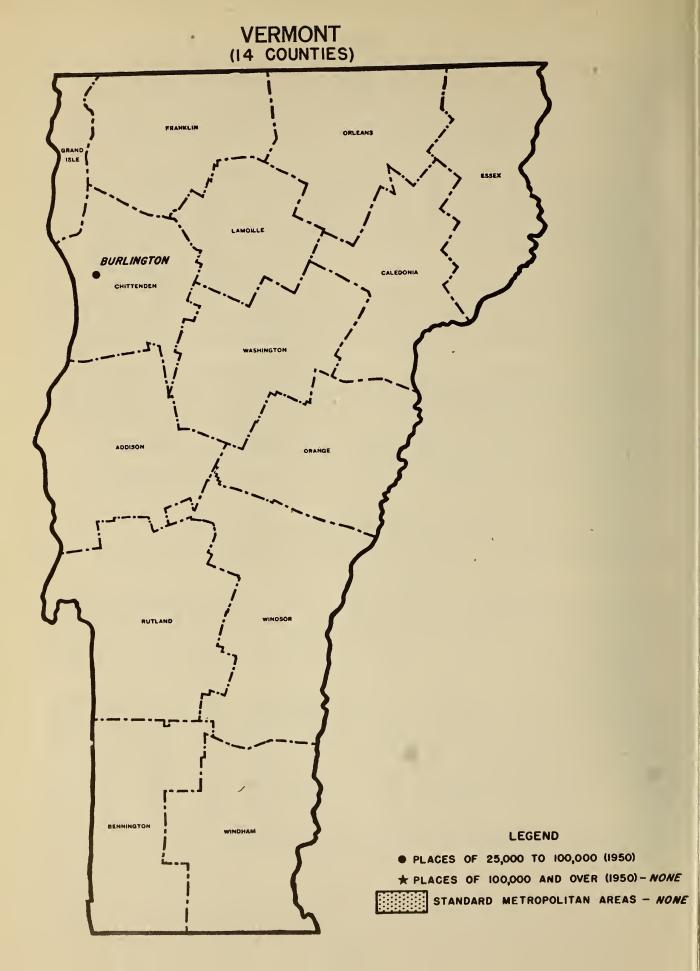
[.]Represents zero.

^{...}Represents zero.

1In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehousea, power planta, research laboratories, garages, and repair shops), which serve the manufacturing establishments of a company rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Vermont reported 213 employees with a total payroll of \$7.48 thousand. Comparable data for 1947 are not available.

2The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figurea. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954.

3Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and accessories." (Establishmenta which are government owned and operated are excluded from manufacturing industries as defined by the Standard Industrial Classification.)



1954 Census of Manufactures

July 1956

Series:

MC-S45

VIRGINIA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	4,418	3,643	+21
1-19 employees		3,121 852 445	2,461 825 357	(1) +3 +25
All employees ² Number Payroll	Thousands Million dollars	241.8 767.7	216.5 483.6	+12
Value added by manufacture	do	1,641.3 111.0	1,050.6 112.4	+56 -1

¹See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 3.1 thousand employees with a payroll of \$16.6 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.</u>--This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U.S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. - CENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

	(Coo son Lot on patients of Coolemn organization)										
						1954				19	47
Ind.	Major industry	Total	Number	of establ with-	ishments	All em	ployees 1	Vslue	Cspitsl	All	Vslue
group	group	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	sdded by msnu- fscture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	sdded by msnu- fscture (\$1,000)
	All industries, total*	4,418	3,121	852	445	241,832	767,691	1,641,295	111,005	216,507	1,050,623
20 21 22 23 24	Food and kindred products ² Tobacco manufactures Textile mill products Apparel and related products Lumber and wood products ³ Furniture and fixtures	1,875	469 2 15 54 1,652	244 8 41 50 193	63 20 70 65 30	28,750 14,618 38,079 19,264 22,982	81,851 43,602 108,683 40,320 46,063	171,132 202,670 166,846 58,486 73,025	12,761 5,114 10,427 1,131 4,594	21,555 16,687 33,881 15,057 23,268	88,388 143,021 167,151 48,971 63,399
26 27 28 29 31	Pulp, paper, and products Printing and publishing. Chemicals and products Petroleum and coal products Leather and leather products	156 63 398 160 8 29	90 11 333 76 6 10	35 17 48 54 2 6	31 35 17 30 	14,756 10,793 8,127 34,925 103 5,137	43,404 41,654 29,924 146,443 307 12,001	75,287 101,507 48,843 430,846 531 16,682	2,154 18,057 2,791 33,784 (*) 1,549	13,878 10,706 5,861 33,767 291 5,334	53,858 71,915 29,867 218,528 1,143 17,423
32 33 34 35 37 39	Stone, clay, and glass products. Primary metal products. Fabricated metal products. Machinery, except electrical. Transportation equipment. Miscellaneous manufactures.	198 38 115 98 58	129 20 65 68 39 50	54 11 28 25 12 17	15 7 22 5 7 7	6,470 3,178 8,042 2,449 18,051 2,913	20,052 11,325 31,139 8,769 83,977 8,536	45,308 17,350 55,784 15,423 129,191 15,934	3,103 1,826 1,583 5,399 2,350 659	4,537 3,754 5,792 1,657 16,505	19,450 12,801 26,660 6,096 70,751 5,316

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

¹In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often re-In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Virginia reported 3,131 employees with a total payroll of \$16,566 thousand. Comparable data for 1947 are not available.

total payroll of \$16,566 thousand. Comparable data for 1947 are not available.

The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishments was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

1954 Census totals for Major Industry Group 24, "Limber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Limber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual States.

small mills for individual States.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

VIRGINIA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

	(See text for explanation of column captions)									
		Number	of establ	ishments	1954				19	47
Standard metropolitan area and county	Total number of estab- lishments	1-19 em-	with— 20-99 em- ployees	100 or more em- ployees	All emp	Payroll (\$1,000)	Value added by manu- facture (\$1,000)	Capital expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)
Virginia, total	4,418	3,121	852	445	241,832	767,691	1,641,295	111,005	216,507	1,050,623
Hampton-Newport News-Warwick area ² Norfolk-Portsmouth area ³ Richmond area ⁴ Roanoke area ⁵	117 335 483 150	78 201 288 82	31 90 127 41	8 44 68 27	18,170 15,500 36,557 12,738	79,405 54,356 129,903 42,605	110,214 112,916 346,406 62,924	3,028 4,868 20,968 5,676	13,211 16,793 35,291 11,287	50,613 86,445 249,015 49,592
Washington, D. C. area, total ⁶	865 127 489 249	629 93 342 194	173 30 103 40	63 4 44 15	30,220 2,589 20,224 7,407	130,299 10,368 89,710 30,221	223,269 17,787 158,052 47,430	10,653 1,088 6,550 3,015	22,473 1,628 17,815 3,030	118,776 6,868 99,067 12,841
COUNTIES AND INDEPENDENT CITIES										
Accomack County. Albemarle County. Alexandria City'. Alleghany County. Amelia County.	53 40 50 12 14	37 31 30 5 14	14 5 17 6	2 4 3 1	1,190 1,340 1,522 448 (*)	2,055 3,585 6,293 1,337 (*)	3,686 11,249 9,729 2,001 (*)	159 569 443 (*) (*)	622 1,357 889 4,151 (*)	1,310 7,925 4,120 24,763 (*)
Amherat County Appomattox County Arlington County Augusta County Bath County	32 26 43 39 7	28 21 32 23 7	3 10 9	1 2 1 7	299 674 839 2,545 (*)	607 1,201 3,340 8,630 (*)	1,180 1,554 5,939 19,048 (*)	39 87 376 (*) (*)	45 293 569 6,928 (*)	147 673 1,983 33,779 (*)
Bedford County Bland County Botetourt County Bristol City 7 Brunswick County	74 12 26 42 35	61 10 20 20 26	9 1 3 12 8	4 1 3 10 1	1,941 (*) 696 3,046 597	5,659 (*) 1,869 9,313 1,054	12,580 (*) 5,335 15,718 2,216	895 (*) 466 545 127	1,662 (*) 319 3,557 726	6,981 (*) 911 11,042 1,522
Buchanan County. Buckingham County. Buena Vista City' Campbell County. Caroline County.	26 32 7 64 39	24 29 3 50 35	2 3 2 9 4	 2 5	199 316 (*) 3,515 461	330 529 (*) 11,177 886	470 827 (*) 17,825 1,598	30 29 (*) 947 78	299 273 (*) 3,307 618	664 659 (*) 15,999 1,259
Carroll County Charles City County Charlotte County Charlottsville City ⁷ Chesterfield County	43 7 35 33 42	41 7 28 13 31	1 5 13 8	1 2 7 3	386 (*) 1,020 2,502 (*)	899 (*) 2,104 7,160 (*)	1,163 (*) 3,844 11,984 (*)	26 (*) 89 528 (*)	2,522 (*) 315 1,496 (*)	12,761 (*) 635 8,417 (*)
Clarke County. Clifton Forge City ⁷ Colonial Heights City ⁷ . Covington City ⁷ . Craig County.	11 4 6 13 4	9 3 2 6 3	2 1 4 3 1	···· 4	187 (*) (*) 2,869 (*)	410 (*) (*) 11,109 (*)	546 (*) (*) 26,622 (*)	(*) (*) (*) (*)	143 (*) (*) (*) (*)	481 (*) (*) (*) (*)
Culpeper County. Cumberland County. Danville City ⁷ Dickenson County. Dinviddie County.	26 9 58 11 28	21 8 26 10 24	2 1 25 1 4	3 7	620 105 (*) 54 318	1,548 181 (*) 88 490	3,235 197 (*) 113 1,232	46 (*) (*) (*) 77	600 70 (*) 13 2,062	2,289 105 (*) 46 4,039
Essex County. Fairfax County. Falla Church City. Fauquier County. Floyd County.	35 28 6 23 33	34 25 6 20 32	1 3 3	 i	275 210 (*) 205 269	486 668 (*) 504 376	821 2,011 (*) 699 554	154 267 (*) 54 43	343 170 (*) 146 328	866 765 (*) 494 579
Fluvanna County. Franklin County. Frederick County. Fredericksburg City7. Galax City7.	30 61 23 26 19	28 50 16 14 6	2 8 5 7 2	 3 2 5 11	262 1,364 762 1,510 2,439	409 3,478 2,072 3,670 5,008	681 5,792 4,730 4,496 11,201	54 79 314 324 (*)	167 1,167 1,206 663 (*)	359 5,832 3,962 1,926 (*)
Gilea County. Gloucester County. Goochland County. Grayson County. Greene County.	20 28 18 21 8	14 25 16 16 7	3 2 2 2 1	3 1 3	(*) 358 173 (*)	(*) 746 273 (*) 138	(*) 1,147 414 (*) 160	(*) 71 (*) (*) (*)	(*) 275 262 (*) 11	(*) 668 407 (*) 17
Greensville County Halifax County Hampton City ⁷ Hanover County Harrisonburg City ⁷	38 39 49 60 30	25 25 36 51 11	7 8 11 8 15	6 6 2 1 4	1,555 2,652 1,224 828 1,613	4,200 6,213 3,103 1,461 3,865	9,930 10,710 5,395 2,413 8,514	479 414 679 124 415	1,021 2,673 8503 751 834	6,347 12,789 ⁸ 1,581 1,923 2,498

For footnotes, see end of table.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued (See text for explanation of column captions)

		(pee rex	t for exp.	Lans cron	1954	otions)			1947	
		Number	of establ	ishmenta	All em	ployees	Velue.	Condes		Value
Standard metropolitan erea and county	Total number of	1-19	20-99	100 or			Value added by manu-	Capital expendi- turea,	All employees,	added by manu-
	estmb- lishments	em-	em- ployees	more em-	Number	Payroll	facture	nev	number	facture
		project	projects	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
COUNTIES AND INDEPENDENT CITIESContinued								:		
Henrico County	53	38	14	1	(*)	(*)	(*)	(*)	(*)	(*)
Henry County	81 15	65 14	2 1	1.4	8,315 115	27,229 152	138,070 287	1,778	7,167 113	47,187 268
Hopewell City ⁷ Isle of Wight County	14 30	5 22	2	7 6	4,417 2,570	18,682 8,966	52,932 20,777	(*) 2,196	3,962 1,702	27,670 13,663
James City County	16	15	1		149	311	504	(*)	196	504
King and Queen County King George County	30 13 23	29 11 19	1 2	•••	252 (*) (*)	372 (*)	680 (*)	36 _. (*)	300 (*) (*)	669 (*) (*)
King William County Lancaster County	42	32	2 10	2	(*)	(*) (*)	(*) (*)	(*) (*)	(*)	(*)
Lee County Loudoun County	10 16	10 15		•••	(*) (*)	(*) (*)	(*) (*)	(*) (*)	(*)	(*) (*)
Louisa County	55 31	48 23	5	2	786 848	1,361 1,515	1,934 1,904	103 251	561 500	1,516 1,219
Lynchburg City?	88	34	29	25	10,311	27,759	41,011	3,043	8,794	29,703
Madison County	19 38	14 17	5 6	 15	220 5,800	385 14,172	710 24 , 254	(*) 647	163 2,548	285 10,560
Mathews County	18 58	16 45	2 6	7	132 2,796	256 6,509	405 10,915	(*) 782	1,407	178 4,687
Middlesex County	28	26	2	•••	308	475	766.	. 85	216	567
Montgomery County Nansemond County	30 31	24 22	3 8	3	1,400 626	2,838 1,317	6,998 2,075	134 150	1,350 2,129	5,321 5,359
Nelson County New Kent County Newport News City ⁷	13 17	12	3		(*) 227	(*) 390	(*) 647	(*)	(*) 222	(*) 575
	44	24	15	5	16,328	74,488	101,602	2,252	12,081	47,037
Norfolk County Norfolk City?	32 209 24	21 123 15	6 58 6	5 28 3	1,703 10,245	5,839 37,939 2,222	11,008 79,001 3,963	754 2,943 197	3,513 10,403 1,053	15,022 54,539 2,265
Northampton County	33	29	4		1,165 381 (*)	813 (*)	1,562	139	675	2,159
Nottoway County	30	21	9		573	1,222	2,024	159	456	1,031
Orange County	30 26	18	8 3	4 4	2,139 1,133	6,351 2,917	10,591	308 232	1,268 915	3,619 4,040
Patrick County	72 56	66 32	13	2	982 5,835	1,898 16,416	3,315 49,897	(*) 1,775	438 3,794	906 16,071
Pittsylvania County	61	55	6		(*)	(*)	(*)	(*)	(*)	(*)
Portsmouth City ⁷	54 12	33 11	14	7	2,146 114	5,931 177	13,811	· 433 (*)	1,839	13,174 457
Prince Edward County Prince George County	14 13	9	4 2		606 160	1,379 340	1,908 673	(*)	733 178	1,535 441
Prince William County	1.7	15	2		225	641	1,242	(*)	157	621
Princess Anne County	17 33	14	3 7 3	8	(*) 2,231	(*) 6,409	(*) 11,430 (*)	366 (*)	2,927	7,337
Rappahannock County	10 5	5		5	(*)	(*)	(*)	(*)	(*)	(*)
Richmond County	34 388	30 219	105	64	331 30,678	581 104,237	1,108 288,072	81 15,861	286 28,126	873 204,385
Roanoke County	45 105	27	11 30	7 20	3,008 9,730	9,998 32,607	15,585 47,339	704 4,972	5,455 5,832	27,515 22,077
Rockbridge County	28	20	6	2	2,621	8,639	17,006	(*)	1,987	13,216
Rockingham CountyRussell County	57 10	36 10	15	6	(*)	(*)	(*) (*)	(*)	(*)	(*)
Scott County	14 51	11 39	2 8	1 4	(*) 1,148	(*) 2,455	(*) 3,661	(*) 223	(*) 720	1,801
Smyth County	32	20	7	5	3,551	11,592	30,186	763	3,196	11,054
SouthAmpton County	27 16	14 4	13	4	538 1,130	974 3,979	1,454 7,825	47 (*)	866 848	3,259 3,326
Spotsylvania County	34 24	23	1	1;	(*) 173	(*) 259	(*) 458	(*) 36	157	(*) 320 3,825
Staunton City ⁷	29	19	8	4	1,670 2,793	4,208 6,636	6,448	237	986	4,666
Suffolk City ⁷	31 10 24	6 18	3 5	1 1	409	648	960 1,383	(*)	243 445	459 965
Tazewell County Virginia Beach City ⁷	49	36	10	3	984	2,351	3,698	171	980	3,209
		1			, ,		, ,	1 /	, ,	

For footnotes, see end of table.

VIRGINIA

Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued (See text for explanation of column centions)

(Cee sext for explanation of column captions)										
					1954				1947	
Standard metropolitan		Number	Number of establishments with—		All employees		Value	Capital	All	Value
area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
COUNTIES AND INDEPENDENT CITIESContinued										
Warren County. Warwick City'. Washington County. Waynesboro City'. Westmoreland County.	24	10 18 20 5 32	5 5 2 12 3	3 1 5 6	(*) 618 1,255 4,682 322	(*) 1,814 3,522 19,161 602	(*) 3,217 7,274 34,502 1,345	(*) 97 392 4,647 242	(*) 627 1,934 524	(*) 1,995 8,662 922
Williamsburg City ⁷ . Winchester City ⁷ . Wise County. Wythe County. York County.	5 31 29 34 14	15 25 27 13	1 10 3 3 1	6 1 4	(*) 2,546 418 1,369 (*)	(*) 7,109 1,003 3,125 (*)	(*) 13,627 1,353 6,015 (*)	(*) 733 130 139 (*)	(*) 1,565 508 815 (*)	(*) 5,615 1,719 3,057 (*)

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

¹In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)
Hampton-Newport News-Warwick	250-500	250-500 1,000-2,500 5,000-10,000
Roanoke	20-50	100-250 5,000-10,000

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

The Hampton-Newport News-Warwick Standard Metropolitan Area consists of Hampton, Newport News, and Warwick Cities, Virginia.

The Norfolk-Portsmouth Standard Metropolitan Area consists of Norfolk and Princess Arme Counties and Norfolk, South Worfolk, Portsmouth, and Virginia Beach Citles, Virginia.

The Richmond Standard Metropolitan Area consists of Chesterfield and Henrico Counties and Richmond City, Virginia.

The Richmond Standard Metropolitan Area consists of Console of the Machine Counties and Animond City, Virginia.

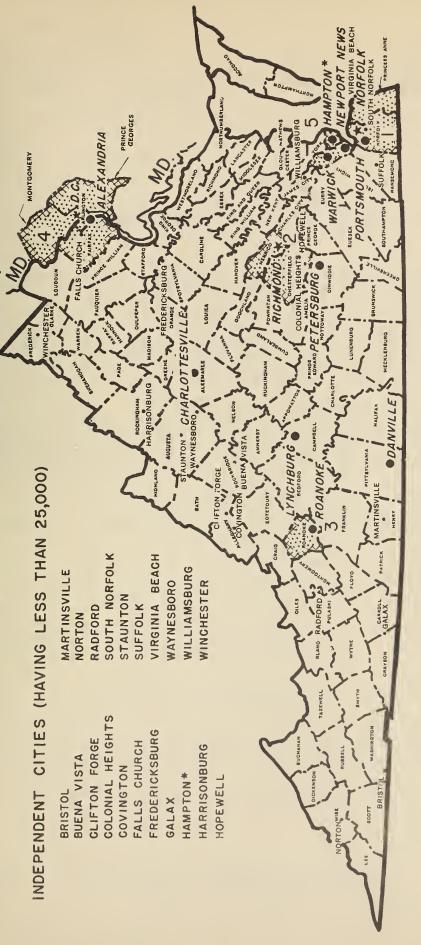
The Roannoke Standard Metropolitan Area consists of Roannoke City and Roannoke County, Virginia.

The Washington (D. C.) Standard Metropolitan Area consists of the District of Columbia; Montgomery and Prince Georges Counties in Maryland; Arlington and Fairfax Counties, and Alexandria and Fails Church Cities, Virginia.

Thodependent City.

Includes data for Elizabeth City County.

VIRGINIA (98 COUNTIES AND 32 INDEPENDENT CITIES)



STANDARD METROPOLITAN AREAS

CODE

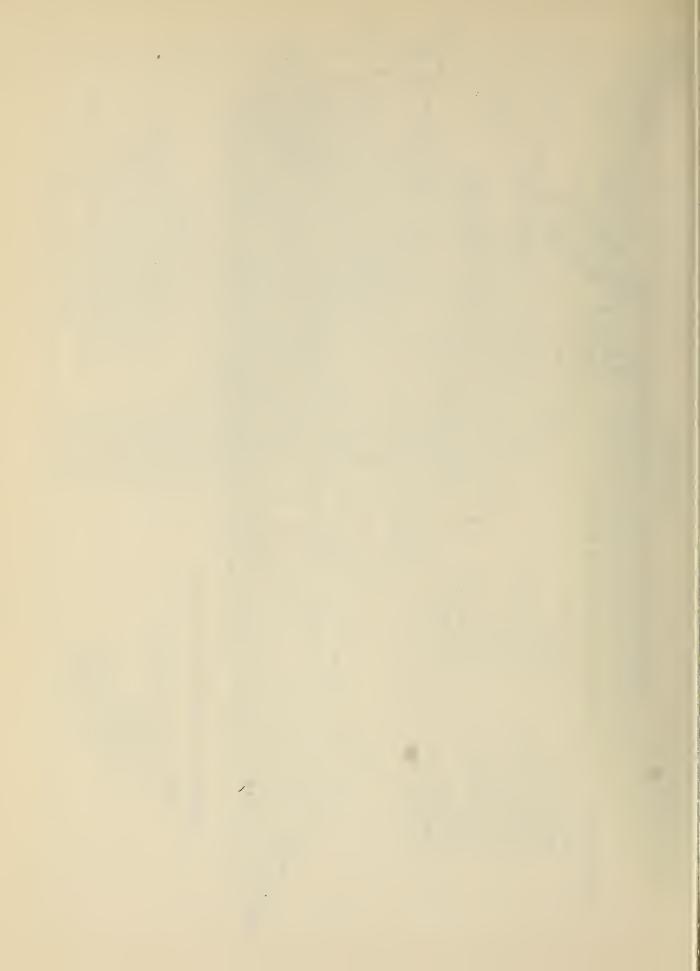
- I NORFOLK-PORTSMOUTH
 - 2 RICHMOND
- ROANOKE
- WASHINGTON, D. C.
- HAMPTON-NEWPORT
 - NEWS WARWICK

LEGEND

- · PLACES HAVING LESS THAN 25,000
 - PLACES OF 25,000 TO 100,000
- * PLACES OF 100,000 AND OVER

STANDARD METROPOLITAN AREAS

* HAMPTON OFFICIALLY REDEFINED ON JULY 1, 1952 TO CONSIST OF FORMER INDEPENDENT CITY OF HAMPTON AND FORMER ELIZABETH CITY COUNTY.



1954 Census of Manufactures

June 1956

Series:

MC-S46

WASHINGTON

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total		4,957 3,800	3,409 2,361	+45
20-99 employees	do	846 311	774 274	+9 +14
Number Payroll Value added by manufacture	Thousands Million dollars	194.8 852.0	144.3 437.8 874.0	+35 +95 +82
Capital expenditures, new		148.5	81.5	+82

¹See Table 2, footnote 3, for discussion of non-comparability in Major Industry Group 24, "Lumber and Wood Products."

²In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 2 thousand employees with a payroll of \$12 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

Payroll. -- This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. - GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captiona)

						1954				1947	
Ind.	Major industry	Total	Number	of establi with—	Lahmenta	• All employees 1		Value	Capital	All	Value
group	group	number of estab- lishments	1-19 em- ployeea	20-99 em- ployeea	100 or more em- ployeea	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- turea, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
	All industries, total*	4,957	3,800	846	311	194,758	852,049	1,589,159	148,507	144,252	874,021
20 22 23 24 25 26 27 28 31 32	Food and kindred products ²	786 17 131 2,081 137 82 446 124 24 160	498 14 90 1,711 112 16 388 94 18 125	219 2 35 277 18 20 49 24 5	69 1 6 93 7 46 9 6 1	27,523 594 3,694 47,745 2,988 16,528 7,457 11,087 497 3,442	105,832 1,999 10,454 191,768 11,051 76,924 33,705 61,506 1,333 14,351	217,268 3,203 19,332 320,207 17,677 226,204 56,776 118,212 2,444 25,423	13,780 (*) 612 22,902 464 53,741 2,333 3,127 33 4,738	26,144 573 2,778 43,034 3,194 12,876 6,673 2,086 395 3,320	148,904 2,649 10,583 279,458 13,300 137,670 42,680 15,570 1,799 17,203
33 34 35 36 37 39	Primary metal industries	235 242 37	45 175 187 29 88 160	20 48 43 6 25 21	18 12 12 2 12 5	13,041 5,744 5,655 839 42,994 4,144	61,596 26,230 26,898 3,532 204,434 17,162	165,494 44,875 40,392 5,839 290,437 28,740	9,827 2,585 2,148 211 6,058 879	8,622 4,664 5,240 827 22,068 1,417	63,319 26,722 25,218 4,594 76,579 6,056

*Totala include data for industry groups which have been withheld from publication in order to (a) avoid diacloaing figures for individual com panies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for thia State.

¹In addition to the employment and payroll totals shown in the table for operating manufacturing eatablishmenta, manufacturing concerns often reported separately for central administrative offices or auxiliary unita (e.g., storage warehousea, power planta, reaearch laboratoriea, garagea, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central officea and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing eatablishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Washington reported 1,817 employees with a total payroll of \$12,026 thousand. Comparable data for 1947 are not available.

¹The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not elsewified as manufacturing and, therefore was not included in the Company figures. These plants account for approximately 8 percent of

was not classified as manufacturing and, therefore, was not included in the Census figurea. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No eatimate has been made of the importance of these establishments for individual States.

1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not atrictly comparable with 1947 data. In 1947, Logging Camps at Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and aswmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for individual States.

small milis for individual States.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Eatablishments are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.

Table 3. --GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

		1954									47	
Ind.		_	Number	of establ with—	ishments	All emp	oloyees 1	Vslue	Capitsl	422	Vslue	
group		Total number of estab- lishments	1-19 em-	20-99 em-	100 or more em-	Number	Payroll	sdded by msnu- facture	expendi- tures, new	All employees, number	added by manu- facture	
			ployees	ployees	ployees		(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
						P0.	RTLAND AREA					
		Washing	ton) appe	ar in Tab	le 4. In	dustry group	ndard Metrop statistics te of Oregon	for this are	(which inclu a are shown	ides Clark Co in the 1954	unty in Census	
			SEATTLE AREA ²									
	All industries, total*	1,467	1,083	300	84	79,273	357,869	456,886	22,081	54,770	265,422	
23	Food and kindred products ³ Apparel and related products Lumber and wood products ⁴ Furniture and fixtures	226 88 187 75	136 54 149 63	65 30 29 10	25 4 9 2	9,393 2,372 4,931 939	38,723 7,080 20,846 3,658	67,389 11,407 32,364 5,658	3,462 370 1,853 143	8,113 2,293 5,562 1,065	45,566 8,520 37,901 4,432	
27 28	Pulp, paper, and products Printing and publishing Chemicals and products Leather and leather products	16 190 64 16	7 162 50 12	7 25 13 3	2 3 1 1	706 3,631 985 382	2,866 16,601 4,302 995	6,275 27,004 10,839 1,928	(*) 836 1,009 (*)	775 3,225 1,032 321	4,859 22,830 6,988 1,440	
33 34	Stone, clay, and glass products. Primary metal industries Fabricated metal products Machinery, except electrical	59 41 146 128	45 27 103 98	9 10 34 23	5 4 9 7	1,328 2,304 4,134 3,137	5,696 10,588 19,058 15,262	10,043 17,103 32,290 23,811	3,695 699 2,020 1,033	1,071 2,499 3, <i>5</i> 74 3,248	5,088 12,943 21,351 16,860	
37 38	Electrical machinery Transportation equipment Instruments and related products Miscellaneous manufactures ⁵	25 60 26 97	17 38 22 81	6 15 3 14	2 7 1 2	790 40,479 339 3,163	3,348 193,284 1,144 13,392	5,502 177,942 2,206 23,063	179 5,438 130 754	758 20,156 82 731	4,423 67,097 352 3,409	

*Totals include data for industry groups which have been withheld from publication in order to (s) svoid disclosing figures for individual com-panies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

*Totals include data for industry groups which have been without the product of (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

¹In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage varehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufactures in the Seattle Standard Metropolitan Area reported 463 employees with a total payroll of \$2,705 thousand. Comparable data for 1947 are not available.

²The Seattle Standard Metropolitan Area consists of King County, Washington.

³The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

¹1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included. In 1954, on the other hand, all such loggers and savmillas were included in the Census, it is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 (See text for explanation of column cantions)

(See text for explanation of column captions)											
					1954				19	47	
Standard metropolitan		Number	of establ with-	ishments	All em	ployeea	Value	Capital		Value	
area and county	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- turea, new (\$1,000)	All employeea, number	added by manu- facture (\$1,000)	
Washington, total	4,957	3,800	846	311	194,758	852,049	1,589,159	148,507	1/4,252	874,021	
Portland ² Portion in Washington Portion in Oregon	1,799 134 1,665	1,363 101 1,262	325 14 311	111 19 92	56,599 8,604 47,995	238,909 35,097 203,812	453,655 87,651 366,004	27,937 10,473 17,464	51,643 6,618 45,025	314 ,2 73 52,746 261,527	
Seattle ³	1,467 331 435	1,083 241 `300	300 65 92	84 25 43	79,273 14,105 17,578	357,869 61,831 75,332	553,886 139,798 152,253	22,0 6 1 5,252 8,105	54,770 10,852 16,896	265,422 71,980 106,426	
Adams. Asotin Benton Chelan Clallam.	5 13 23 64 120	5 11 16 43 92	 2 5 17 22	 2 4 6	(*) 125 (*) 2,542 3,204	(*) 470 (*) 11,054 15,137	(*) 878 (*) 29,104 37,633	(*) (*) (*) 979 4,372	(*) 65 (*) 1,548 1,960	(*) 319 (*) 7,382 19,249	
Clark. Columbia. Cowlitz. Douglas. Ferry.	134 9 160 6 41	101 7 132 4 37	14 1 16 1 4	19 1 12 1	8,604 (*) 9,215 (*) 415	35,097 (*) 38,137 (*) 1,508	87,651 (*) 99,207 (*) 3,244	10,473 (*) 13,460 (*) 320	6,618 (*) 8,140 (*) 120	52,746 (*) 69,781 (*) 483	
Franklin Garfield Grant Grays Harbor Island	17 3 24 203 34	16 2 23 148 33	1 1 36 1	1 19	162 (*) 318 7,497 132	660 (*) 1,324 30,617 361	908 (*) 2,151 51,483 699	(*) (*) 674 3,882 56	34 (*) 63 7,465 55	193 (*) 245 48,463 238	
Jefferson. King. Kitsap. Kittitas. Klickitst.	34 1,467 81 55 86	25 1,083 74 47 73	6 300 6 8 11	3 84 1 2	1,101 79,273 867 689 1,174	4,582 357,869 3,329 2,560 4,814	12,964 553,886 5,003 4,463 9,339	1,178 22,081 473 378 954	607 54,770 753 589 801	7,687 265,422 3,946 3,144 5,581	
Lewis. Lincoln. Mason. Okanogan. Pscific.	223 14 80 52 83	188 12 70 45 69	30 1 3 5 12	5 1 7 2 2	2,903 222 2,230 1,400 (*)	11,149 895 8,857 5,673 (*)	21,015 1,509 18,812 8,139 (*)	1,071 (*) 956 532 (*)	2,440 267 1,273 1,057 (*)	12,365 1,211 8,627 4,425 (*)	
Pend Oreille Pierce. San Juan Skagit Skamanis	27 435 19 158 56	23 300 17 123 48	2 92 2 26 6	2 43 9 2	474 17,578 113 3,659 768	1,879 75,332 305 15,099 3,395	5,447 152,253 580 27,647 6,471	221 8,105 (*) 2,266 504	441 16,896 162 3,002 253	1,795 106,426 1,288 18,951 1,793	
Snohomish. Spokane Stevens. Thurston Wahkiakum.	298 331 80 104 24	232 241 73 83 20	42 65 5 15 3	24 25 2 6 1	9,596 14,105 822 3,318 (*)	38,866 61,831 3,014 14,551 (*)	80,812 139,798 4,964 26,744 (*)	33,950 5,252 464 2,708 (*)	8,854 10,852 888 2,493 (*)	71,833 71,980 4,891 14,908 (*)	
Walla Walla Whatcom. Whitman. Yakima.	46 165 19 164	33 124 17 110	9 30 2 44	11 10	1,151 4,681 134 4,831	4,355 19,134 475 18,698	9,872 40,214 869 38,698	361 26,237 (*) 2,194	1,401 3,566 106 4,466	10,569 22,919 592 22,226	

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

1n addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard metropolitan area	Employees (number)	Payroll (\$1,000)		
Portland	100-250	2,500-5,000 500-1,000 2,500-5,000		

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

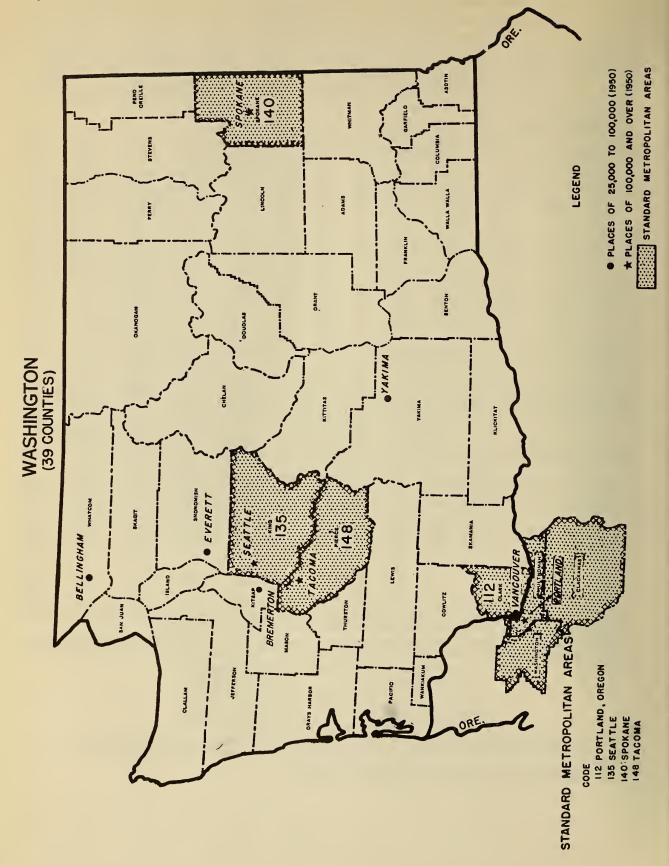
The Portland Standard Metropolitan Area consists of: Clark County, Washington; Clackamas, Multnomah, and Washington Counties, Oregon.

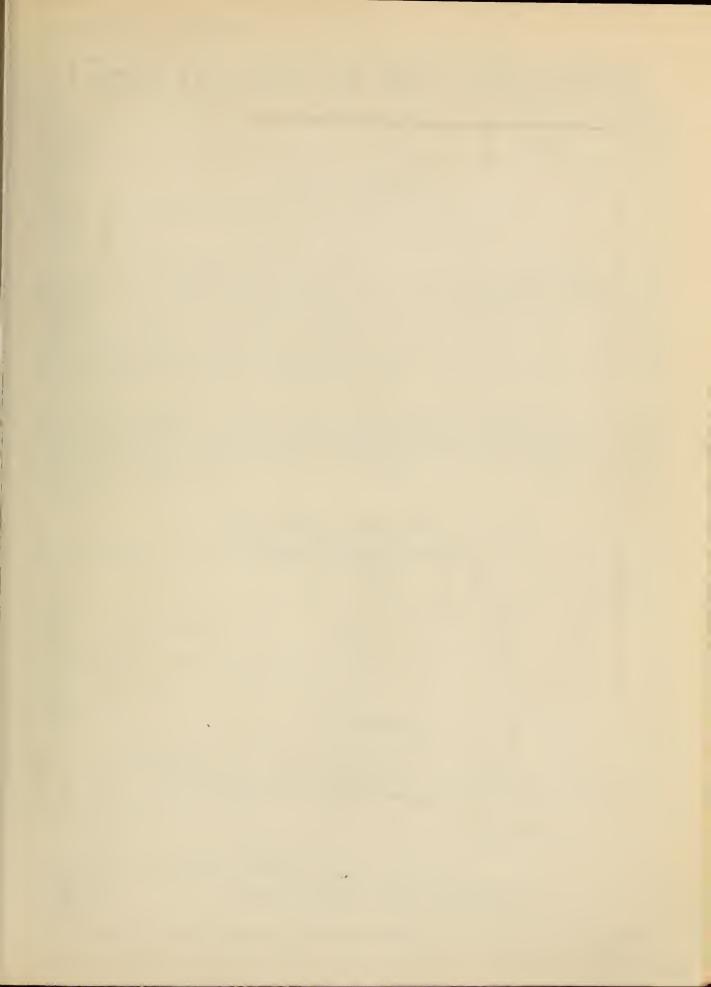
For definition of the standard metropolitan area, and the central administrative office and auxiliary unit employment and payroll for the area,

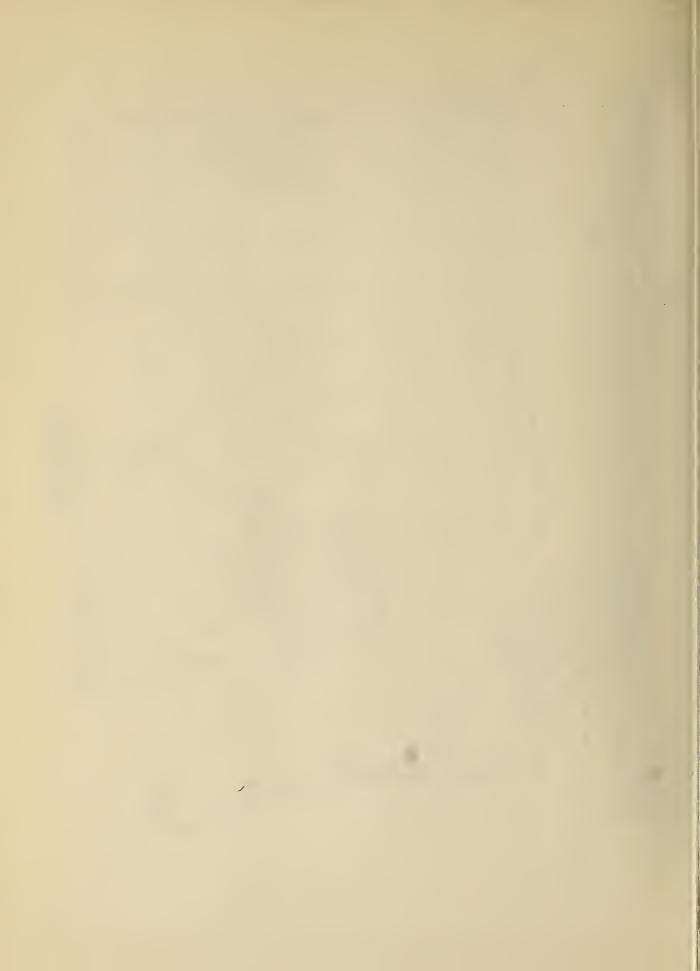
aee Table 3 footnote 1.

The Spokane Standard Metropolitan Area consists of: Spokane County, Washington.

The Tacoma Standard Metropolitan Area consists of: Pierce County, Washington.







1954 Census of Manufactures

July 1956

Series:

MC-S47

WEST VIRGINIA

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

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(See text for explanation of items)

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Number of establishments, total	Number	2,039	1,602	+27
1-19 employees		1,519 324 196	1,044 356 202	+45 -9 -3
All employees 1 Number	Thousands Million dollars	119.6 469.1	127.4 337.9	-6 +39
Value added by manufacture		951.7 98.9	663.9 82.3	+43 +20

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 3.8 thousand employees with a payroll of \$22.3 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

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"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2. -- GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

-	(See Leaf Tor expression of Column Espitions)													
						1954				19	47			
Ind.	Major industry	Totsl	Number o	of establi	ishments	All emp	oloyees ¹	Vslue	Cspitsl	All	Vslue			
group	group	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	m- more	Number	Psyroll (\$1,000)	added by msnu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)			
	All industries, total*	2,039	1,519	324	196	119,631	469,094	951,660	98,889	127,354	663,905			
20	Food and kindred products2	315	213	84	18	8,351	28,100	51,643	4,092	6,275	31,027			
22	Textile mill products	8		1	7	3,056	8,664	11,371	(*)	3,917	14,531			
23	Apparel and related products	37	13	10	14	4,438	9,243	11,372	172	3,800	8,562			
							,							
24	Lumber and wood products3	875	797	71	7	8,110	16,228	23,252	2,335	7,979	22,497			
25	Furniture and fixtures	36	22	12	2	988	2,709	4,157	69	884	3,100			
26	Pulp, paper, and products	22	6	11	5	1,589	5,276	9,143	233	1,565	7,926			
27	Printing and publishing	192	165	18	9	3,299	12,119	19,330	1,049	3,008	13,939			
28	Chemicals and products		35	10	19	21,741	111,459	320,419	43,722	20,631	175,898			
29	Petroleum and coal products	24	12	5	7	2;462	11,575	29,009	5,106	2,393	18,614			
						_,			, , , , , , , , , , , , , , , , , , , ,	_,				
31	Leather and leather products	8	2	2	4	933	2,513	4,164	(*)	1,759	7,492			
32	Stone, clay, and glass products	186	102	41	43	23,690	87,098	138,018	3,740	30,270	134,629			
33	Primary metal products	29	9	5	15	20,010	97,892	185,988	32,085	21,731	123,665			
34	Fabricated metal products	70	31	19	20	8,449	31,247	53,517	2,660	10,557	46,085			
35	Machinery, except electrical	89	57	23	9	3,453	12,965	22,492	832	3,170	14,996			
36	Electrical machinery	19	8	4	7	4,320	15,305	38,925	(*)	4,675	24,517			
						,,_20	_ ,_ 0,	,	, ,	,,,,,,				
38	Instruments and related products	13	10	2	1	303	1,042	1,634	(*)	80	296			
39	Miscellaneous manufactures4	30	25	3	2	1,524	5,307	7,566	134	1,418	3,759			

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual comanies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

State.

¹In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage varehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of West Virginia reported 3,822 employees with a total payroll of \$22,333 thousand. Comparable data for 1947 are not available.

²The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

³1954 Census totals fur Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 19 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers In 1947, Logging Camps and

small mills for individual States.

*Includes privately owned and/or operated establishments classified in Major Industry Group 19, "Ordnance and Accessories." (Establishments which are both owned and operated by the government are excluded from manufacturing industries as defined by the Standard Industrial Classification.)

Table 3. -GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY GROUP: 1954 AND 1947 (See text for explanation of column captions)

				1954						19	1947	
Ind.			Number	of establ with—	ishments	All em	ployees ¹	·Vslue	Capitsl	Al1	Vslue	
group		Totsl number of estsb- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	sdded by manu- fscture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	sdded by msnu- fscture (\$1,000)	
	All industries, totsl*	388	230	88	70	50,473	208,877	373,749	55,195	51,751	259,509	
20	Food and kindred products3	97	70	23	4	2,076	7,478	12,681	2,057	1,547	6,406 783	
23 24	Apparel and related products		6 26	2	2	655 167	1,363 468	1,778 851	(*) 41	402 379	1,815	
26	Pulp, paper, and products	16	3	10	3	1,102	3,877	7,112	(*)	1,239	8,466	
27	Printing and publishing	42	36	4	2	785	2,916	5,120	232	697	3,481	
28	Chemicals and products	15	8	3	4	1,628	7,058	18,940	(*)	942	8,939	
32	Stone, clay, and glass products	15 55	25	15	15	8,708	26,366	33,566	771	10,168	35,603	
33 34	Primary metal products	21	3	4	14	23,480	113,140	204,540	33,234	22,946	129,400	
35	Fabricated metal products Machinery, except electrical	38 25	14 17	5	15	6,281 1,294	24,010 5,905	40,254 10,603	2,019 318	8,576 937	39,125 4,576	

^{*}Totals include data for industry group which have been withheld from publication in order to (s) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.
...Represents zero.

²The Wheeling-Steubenville Standard Metropolitan Area consists of Brooke, Hancock, Marshall, and Ohio Counties, West Virginia; Belmont and Jefferson Counties, Ohio.

³The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Prood and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for standard metropolitan areas.

41954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, sll such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for standard metropolitan areas.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column osptions)												
					1954				19	1947		
Standard metropolitan	Total	Number	of estsbl with—	ishments	All em	ployees	Vslue	Cspitsl	A11	Value		
ares and county	number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Psyroll (\$1,000)	sdded by msnu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	sdded by msnu- fscture (\$1,000)		
West Virginia, totsl STANDARD METROPOLITAN AREAS ¹	2,039	1,519	324	196	119,631	469,094	951,660	98,889	127,354	663,905		
Huntington-Ashland ³ Portion in West Virginia Portion in Kentucky. Portion in Onio Wheeling-Steubenville Portion in West Virginis Portion in Ohio Charleston ²	288 192 51 45 388 217 171	180 120 36 24 230 119 111	59 41 8 10 88 53 35	45 27 7 11 70 45 25	24,042 14,916 4,976 4,750 50,473 34,180 16,293 23,573	98,650 55,916 23,479 19,255 208,877 142,105 66,772	205,673 102,904 49,462 53,307 373,749 252,032 121,717 292,105	29,969 5,650 13,271 11,048 55,195 42,644 12,551 27,995	22,187 12,986 5,021 4,180 51,751 36,968 14,783 25,075	120,562 59,187 31,329 30,046 259,509 186,820 72,689		
COUNTIES Barbour. Berkeley. Boone. Braxton. Brooke Csbell. Ccalhoun. Clay. Doddridge. Fayette	27 43 14 25 41 142 24 25 18	26 27 13 24 18 86 24 22 16	1 9 1 14 29 3 2 8	7 9 27 	143 3,386 105 (*) 4,171 14,083 (*) 242 120 2,174	244 9,490 233 (*) 16,822 53,363 (*) 516 212 8,983	442 18,869 316 (*) 30,561 99,100 (*) 1,112 315 27,285	42 1,168 (*) (*) (*) 5,405 (*) 37 (*) (*)	125 4,188 277 (*) 4,674 12,106 (*) 232 63 2,902	314 13,181 906 (*) 24,217 56,103 (*) 567 158 17,228		

For footnotes, see end of table.

^{...}Represents zero.

In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage varehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of s company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishments erved or if they service more than one manufacturing establishment. In 1954, such central administrative offices and suxiliary units for manufacturers in the Wheeling-Steubenville Standard Metropolitan Area reported 1,000-2,500 employees with s total payroll of \$5,000-10,000 thousand. Comparable data for 1947 are not available.

The Wheeling-Steubenville Standard Metropolitan Area consists of Brooke, Hancock, Marshall, and Ohio Counties, West Virginia; Belmont and Locations Counties.

WEST VIRGINIA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947--Continued

(See text for explanation of column csptions)													
					1954				19	47			
Standard metropolitan area and county	Total number of estab- lishments	1-19 em-	of estable with— 20-99 em- ployees	100 or more em- ployees	All emp	Psyroll (\$1,000)	Value sdded by msnu- fscture (\$1,000)	Capitsl expendi- tures, new (\$1,000)	All employees, number	Value added by manu- facture (\$1,000)			
COUNTIESContinued													
Gilmer. Grant. Greenbrier Hampshire. Hancock	17 21 47 24 33	17 19 41 22 14	 2 4 2 7	2	(*) 156 1,260 (*) 16,478	(*) 302 2,870 (*) 73,342	(*) 473 4,262 (*) 127,919	(*) 68 167 (*) (*)	(*) 124 920 (*) 17,580	(*) 333 3,590 (*) 92,471			
Hardy Harrison Jackson Jefferson Kanawha	17 84 12 23 185	14 53 11 12 133	2 20 1 8 33	1 11 3 19	317 6,597 107 1,034 21,399	769 26,773 217 3,155 107,707	866 45,423 367 3,857 264,820	(*) 1,543 (*) 215 (*)	208 7,264 120 798 23,073	607 36,335 265 3,485 178,158			
Lewis. Lincoln. Logan. McDowell. Marion.	32 25 28 33 51	24 23 22 26 37	5 2 6 7 5	3 9	1,064 187 327 499 3,953	2,461 279 842 1,341 15,367	3,466 509 1,330 2,609 32,867	55 60 173 183 1,151	1,137 48 511 498 6,686	3,778 122 1,858 1,707 35,037			
Marshall Mason. Mercer Mineral Mingo.	33 17 58 19 28	16 9 47 16 18	10 5 7 2 10	7 3 4 1	5,781 1,087 1,550 335 416	21,941 3,539 4,470 851 1,113	43,376 5,611 6,642 1,390 1,655	(*) (*) 348 (*) 87	5,683 602 1,582 206 427	29,164 1,431 5,892 489 1,330			
Monongalia Monroe. Morgan Nicholas Ohio	61 18 24 38 110	41 18 22 32 71	9 1 4 22	11 1 2 17	3,472 (*) 337 733 7,750	11,902 (*) 733 1,958 30,000	24,243 (*) 1,368 2,467 50,176	1,977 (*) 77 71 2,550	2,316 (*) 1,000 796 9,031	9,281 (*) 3,182 2,219 40,968			
Pendleton. Pleasants. Pocahontas. Preston. Putnam.	25 7 18 54 15	21 4 12 50 10	4 1 3 3 1	2 3 1 4	288 (*) 750 564 2,518	572 (*) 1,833 1,471 11,191	825 (*) 3,125 2,943 35,120	59 (*) (*) 142 (*)	271 (*) 1,091 744 2,493	709 (*) 4,305 2,436 22,642			
Raleigh. Randolph. Ritchie Roane Summers.	52 68 27 14 24	45 55 22 11 22	5 11 4 2 2	2 2 1 1	792 1,039 444 365 138	2,592 2,429 847 908 291	4,672 3,083 1,093 1,608 428	235 564 45 (*) 28	1,098 1,053 336 122 155	4,380 4,140 879 294 543			
Taylor. Tucker Tyler Upshur Wayne	18 22 19 27 46	14 19 16 25 34	3 1 2 12	1 2 1 2	566 (*) 606 316 833	1,778 (*) 1,398 554 2,553	2,794 (*) 1,559 932 3,804	(*) (*) (*) 352 245	763 (*) 914 276 880	2,375 (*) 2,737 781 3,084			
Webster. Wetzel Wirt. Wood Wyoming.	24 24 12 82 28	21 20 12 44 21	3 2 16 7	22	249 674 (*) 8,103 413	582 1,478 (*) 30,941 849	755 3,574 (*) 63,388 1,360	327 178 (*) 3,463 84	137 868 (*) 9,434 478	476 2,310 (*) 42,277 1,823			

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

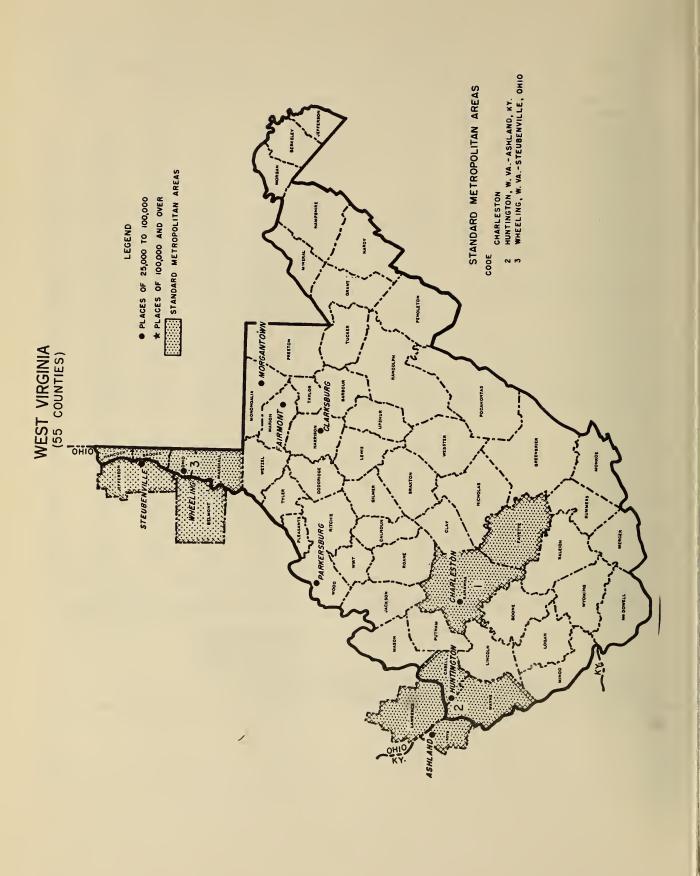
¹In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

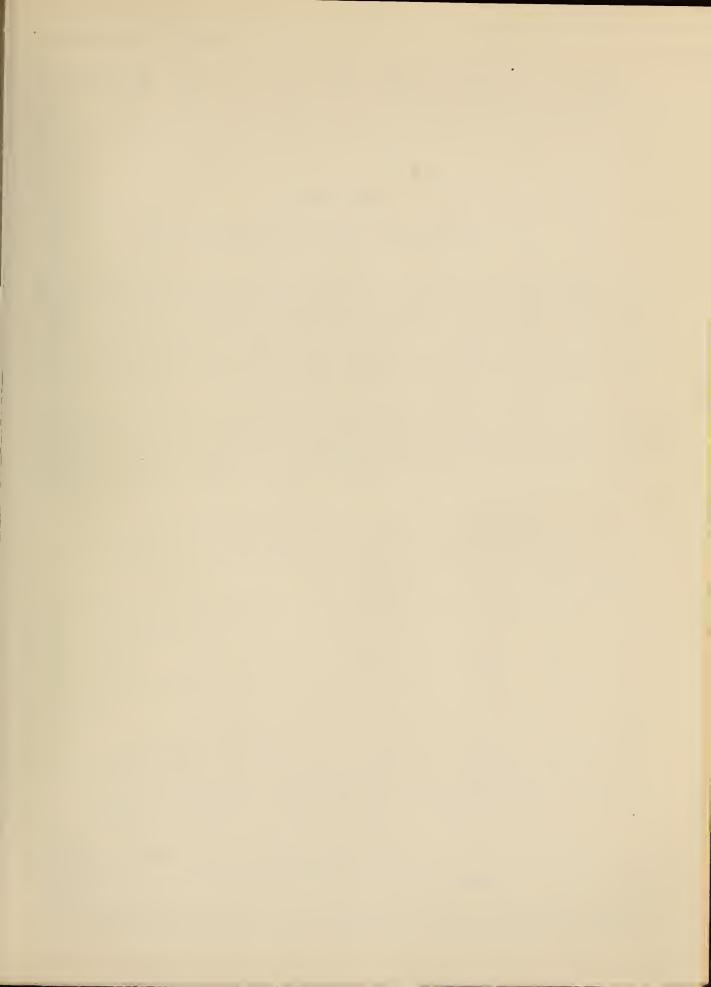
Standard Metropolitan Area	Employees (number)	Payroll (\$1,000)
Charleston		10,000-25,000 2,500-5,000

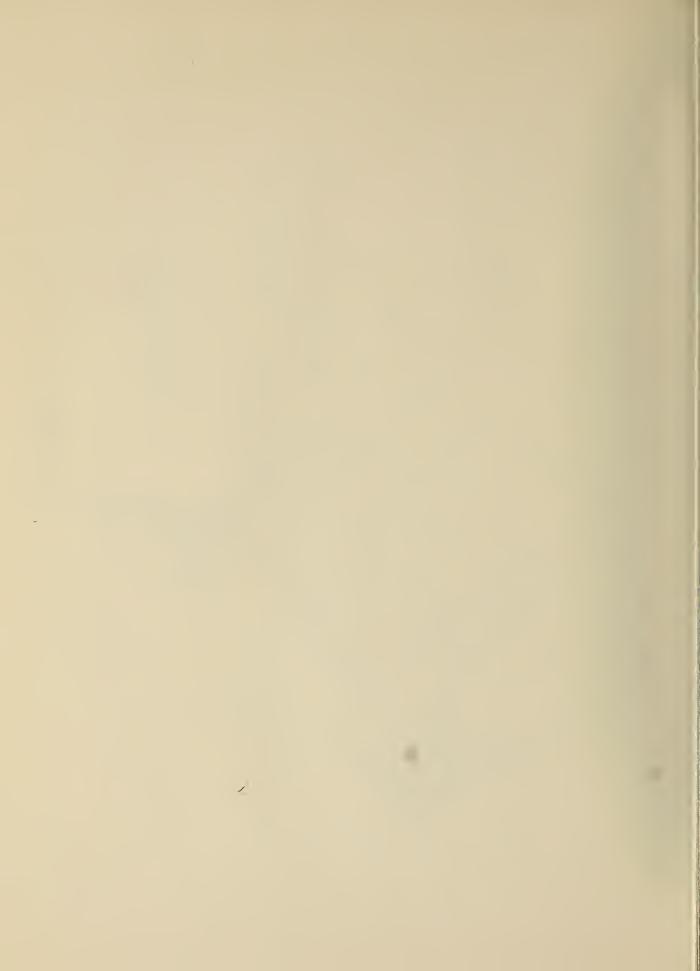
(For description of central administrative offices and suxiliary units, see footnote 1 to Table 2.)

The Charleston Standard Metropolitan Area consists of Fayette and Kanawha Counties, West Virginia.

The Huntington (West Virginia)-Ashland (Kentucky) Standard Metropolitan Area consists of Cabell and Wayne Counties, West Virginia; Boyd County, Kentucky; and Lawrence County, Ohio.







1954 Census of Manufactures

July 1956

Series:

MC-S48

WISCONSIN

SUMMARY STATISTICS FOR THE STATE, ITS STANDARD METROPOLITAN AREAS, AND COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.—GENERAL STATISTICS FOR THE STATE: 1954 AND 1947

(See text for explanation of items)

Item	Unit of measure	1954	1947	Percent change 1947-1954
Number of establishments, total	Number	7,728	6,980	+11
1-19 employees	do	5,431 1,513 784	4,780 1,464 736	+14 +3 +7
All employees 1 Number Payroll	Thousands Million dollars	426.0 1,805.9	418.7	+2 +52
Value added by manufacture	do	3,314.1 161.1	2,263.0 162.8	+46 -1

¹In addition to data for operating establishments, manufacturers' central administrative offices and auxiliary units reported 9.3 thousand employees with a payroll of \$54.7 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number.—This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

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Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY CROUP: 1954 AND 1947

(See text for explanation of column captions)

_											
						1954				19	47
Ind.	Major industry	Total	Number (of establi	ishmenta	All emp	oloyees ¹	Value Capital		A11	Value
group	group	number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- turea, new (\$1,000)	employeea, number	added by manu- facture (\$1,000)
	All industries, total*	7,728	5,431	1,513	784	426,005	1,805,853	3,314,109	161,062	418,674	2,263,047
20 22 23 24 25	Food and kindred products ²	78 207 930	1,659 30 126 788 112	431 23 57 98 41	101 25 24 44 24	60,709 7,562 8,147 17,759 10,643	228,005 24,404 22,578 55,423 41,410	482,358 39,101 36,055 84,617 64,076	26,428 771 419 4,161 1,285	55,288 11,110 9,666 16,917 12,459	383,088 42,485 35,502 64,114 54,838
26 27 28 29 31	Pulp, paper, and products. Printing and publishing. Chemicals and products. Petroleum and coal products. Leather and leather products.	823 221 24	43 674 166 14 55	62 114 43 7 48	91 35 12 3 49	33,304 20,032 8,985 1,144 17,510	145,435 88,520 40,684 5,698 58,821	320,515 136,216 97,554 9,733 91,040	22,817 6,054 5,005 1,270 2,017	28,144 16,542 5,890 1,066 21,274	188,733 86,131 49,249 9,586 102,365
33 34 35 36 37	Primary metal products	553 955 160 129	109 354 649 73 63	62 135 181 39 32	50 64 125 48 34	25,380 32,429 84,608 35,445 29,433	119,235 141,130 407,546 157,292 132,645	194,765 253,495 711,758 280,531 260,137	11,702 8,855 35,822 10,778 10,145	24,478 36,457 94,136 29,245 30,328	129,998 208,473 468,111 137,852 165,998
38 39	Instruments and related products Miscellaneous manufactures4		43 196	5 68	9 38	7,690 15,385	33,630 60,570	56,437 114,409	1,505 5,067	5,914 9,545	24,071 52,331

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this

*Totals include data for individual states, seems of data for smaller industry groups. Additional publishable detail will appear in the Final numbers of state.

'In addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Wisconsin reported 9,293 employees with a total payroll of \$54,661 thousand. Comparable data for 1947 are not available.

'The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

'Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately I3 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small

4

Table 3. - GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES, BY MAJOR INDUSTRY CROUP: 1954 AND 1947 (See text for explanation of column captions)

						1954				19	47
Ind.	Standard metropolitan area	Total	Number	of establ with—	ishments	All employees 1 Value		Capital	A11	Value	
group		number of estab- lishments	1-19 em- ployees	20-99 em- ployees.	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
				~							
	All industries, total*	2,001	1,248	487	266	173,827	799,353	1,414,450	59,831	178,412	972,613
20 22 23 24 25 26 27 28 31 32	Food and kindred products Textile mill products	28 109 60 45 40 264	110 13 66 43 31 14 197 80 27 53	57 8 32 15 10 13 48 25 21 20	35 7 11 2 4 13 19 7 14	19,524 2,247 4,003 1,203 1,045 4,130 10,084 3,081 6,400 1,136	87,600 7,515 11,675 4,941 4,490 17,512 47,094 13,795 23,843 5,005	204,681 13,249 17,042 7,109 6,534 29,473 70,599 29,447 32,654 9,597	6,811 111 194 266 184 2,866 3,550 1,554 950 642	19,532 4,368 5,324 1,302 1,060 3,455 9,051 2,909 8,962 1,293	176,240 20,033 21,882 5,643 4,886 22,235 48,727 21,111 47,065 6,683
33 34 35 36 37 38 39	Primary metal products	228 410 64 31	40 135 273 23 16 17 88	23 70 78 20 8 3	26 23 59 21 7 5	14,688 13,893 47,552 24,704 8,666 5,575 4,930	72,642 63,941 231,805 115,371 42,682 24,671 20,592	116,007 120,469 396,514 205,467 71,390 42,329 37,355	6,610 4,278 21,351 7,320 1,058 886 543	13,755 12,999 53,690 21,964 14,775 992 1,915	73,211 74,861 262,546 103,018 65,395 4,897 7,525

^{1/10} addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the Milwaukee Standard Metropolitan Area reported 4,671 employees with a total payroll of \$27,593 thousand. Comparable data for 1947 are not available.

2 The Milwaukee Standard Metropolitan Area consists of Milwaukee County, Wisconsin.

3 The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual standard metropolitan areas.

4 In 1954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 13 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the importance of these loggers and small mills for indivi

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Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947 (See text for explanation of column captions)

	(See text for explanation of column captions)								1947	
Standard metropolitan		Number	of establ with—	ishments	All em	ployees	Value	Capital	47.3	Value
area and county	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
Wisconsin, total	7,728	5,431	1,513	784	426,005	1,805,853	3,314,109	161,062	418,674	2,263,047
STANDARD METROPOLITAN AREAS ¹										
Duluth-Superior ² . Portion in Wisconsin. Portion in Minnesota.	435 55 380	338 33 305	71 17 54	26 5 21	12,897 1,551 11,346	50,252 6,074 44,178	80,688 12,963 67,725	6,187 717 5,470	12,931 1,388 11,543	55,526 9,298 46,228
Green Bay ³ Kenosha ⁴ . Madison ⁵ . Milwaukee ⁶ Racine ⁷ .	243 118 263 2,001 291	174 79 194 1,248 191	43 24 48 487 61	26 15 21 266 39	11,079 15,036 13,636 173,827 22,714	47,216 65,319 56,530 799,353 103,807	93,705 110,596 99,316 1,414,450 202,262	5,981 4,456 4,415 59,831 8,746	9,491 17,069 10,671 178,412 22,512	54,556 99,694 49,070 972,613 124,664
COUNTIES										
Adams Ashland. Barron Bayfield. Brown.	10 59 75 46 243	9 47 .56 43 174	1 9 15 2 43	3 4 1 26	(*) 1,106 1,481 591 11,079	(*) 3,141 4,337 2,066 47,216	(*) 6,175 7,852 4,031 93,705	(*) 227 531 246 5,981	(*) 892 998 420 9,491	(*) 3,854 4,346 2,070 54,556
Buffalo. Burnett. Calumet Chippewa Clark.	25 27 62 82 96	22 26 45 55 81	3 1 12 19 13	 5 8 2	278 162 1,769 3,125 1,111	765 393 6,022 11,596 3,101	1,396 588 10,261 24,594 6,357	118 99 579 1,648 401	239 93 1,764 1,940 1,039	1,093 249 8,934 10,521 5,183
Columbia. Crawford. Dane Dodge. Door	67 51 263 151 32	46 43 194 110 20	16 6 48 28 7	5 2 21 13 5	2,312 607 13,636 5,132 1,821	6,662 1,755 56,530 17,675 7,617	12,359 3,155 99,316 38,448 9,695	583 291 4,415 1,836 286	2,101 738 10,671 5,729 830	9,453 2,809 49,070 31,576 2,758
Douglas. Dunn. Eau Claire. Florence. Fond du Lac	55 42 77 21 141	33 33 47 21 89	17 7 20 	5 2 10 	1,551 1,017 6,337 (*) 7,133	6,074 3,139 30,162 (*) 27,199	12,963 5,932 53,857 (*) 55,608	717 299 2,636 (*) 1,737	1,388 952 8,672 (*) 7,153	9,298 4,822 47,226 (*) 38,410
Forest. Grant. Green. Green Lake. Iowa.	30 96 87 47 51	28 89 75 31 47	1 6 12 13 4	1 1 3	545 805 658 1,272 369	1,860 1,932 2,342 3,358 1,048	2,805 3,769 5,214 6,073 2,343	247 247 339 168 342	658 633 722 1,289 376	3,929 6,722 4,845 5,068 1,829
Iron Jackson. Jefferson Juneau. Kenosha.	33 28 112 21 118	32 25 69 15 79	1 3 26 4 24	17 2 15	197 318 6,735 496 15,036	363 927 25,952 1,392 65,319	768 1,430 43,997 3,367 110,596	40 59 2,063 196 4,456	159 201 5,833 410 17,069	609 687 28,614 1,510 99,694
Kewaunee. La Crosse. Lafayette. Langlade. Lincoln.	49 114 47 50 68	37 77 47 42 45	7 27 6 15	5 10 2 8	2,116 9,078 120 931 2,490	6,748 38,637 362 2,494 8,257	9,724 66,890 918 4,172 17,033	387 3,429 130 150 637	1,726 9,700 209 992 2,329	6,179 51,813 1,706 3,074 16,467
Manitowoc Marathon. Marinette Marquette Milwaukee.	177 182 102 13 2,001	125 124 77 9 1,248	29 33 13 3 487	23 25 12 1 266	11,092 9,219 3,993 288 173,827	42,358 33,750 15,999 668 799,353	85,010 63,380 35,386 1,292 1,414,450	2,542 6,360 1,574 (*) 59,831	9,774 8,593 4,004 176 178,412	61,499 47,763 17,763 478 972,613
Monroe. Oconto. Oneida. Outagamie. Ozaukee.	34 78 54 171 85	30 63 44 109 49	4 11 5 35 21	4 5 27 15	386 1,412 1,909 10,248 4,224	1,271 4,298 7,492 40,215 15,788	3,170 8,600 15,686 75,404 28,111	315 1,511 1,209 3,173 1,692	322 1,319 1,521 10,211 3,592	1,507 5,849 9,291 52,712 18,456
Pepin. Pierce. Polk. Portage. Price.	15 27 46 57 58	12 24 33 40 49	3 3 13 10 8	7	220 260 616 2,076 929	496 742 1,740 7,167 3,000	1,534 1,484 4,912 12,763 6,373	(*) 198 402 540 866	195 485 479 2,361 8%	845 2,128 1,979 10,560 3,933
Racine Richland. Rock Rusk St. Croix	291 48 125 27 36	191 44 78 21 27	61 4 23 5 6	39 24 1 3	22,714 341 14,894 540 (*)	103,807 1,011 75,198 1,636 (*)	202,262 2,101 167,829 3,189 (")	8,746 134 10,368 309 (*)	22,512 355 16,200 446 (*)	124,664 2,048 91,738 1,741 (*)
Sauk Sauyer Shawano Sheboggan Taylor	77 30 104 240 39	59 28 90 151 34	14 2 7 57 4	7 32 1	4,256 166 1,826 12,235 764	15,986 328 5,434 49,266 2,432	23,435 675 7,899 82,180 3,747	478 50 484 3,026 189	1,025 1,448 13,485 791	3,750 389 6,466 71,~10 3,797

For footnotes, see end of table.

WISCONSIN

Table 4.-GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

(See text for explanation of column captions)

		1954								1947	
Standard metropolitan area and county	Number of establis					Value	Capital		Value		
	Total number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)	
COUNTIESContinued											
Trempealeau Vernon. Vilas Walworth. Washburn	39 44 27 87 20	28 40 25 57 18	10 4 2 24 2	1 6	704 384 221 3,222 165	1,722 923 555 12,517 407	3,050 2,241 841 23,584 556	239 189 102 1,461 25	532 255 310 2,718 219	2,172 1,789 899 10,935 681	
Washington Waukesha Waupaca. Waushara Wanebago. Wood	83 243 115 24 240 113	56 175 99 21 142 79	15 50 12 2 64 17	12 18 4 1 34 17	5,218 8,019 2,289 332 16,378 8,151	20,140 33,502 7,444 937 67,230 31,660	38,749 54,333 12,408 2,038 128,759 64,329	1,535 2,756 464 68 7,526 6,622	4,219 7,280 3,154 186 15,432 7,092	21,396 40,929 17,807 398 85,397 39,704	

*Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.

...Represents zero.

In addition to the employment and payroll totals for operating manufacturing establishments shown in the table, 1954 data on central administrative offices and auxiliary units for those standard metropolitan areas not shown in Table 3 are given in the table below. Comparable figures are not available for 1947.

Standard Metropolitan Area	Employees (number)	Payroll (\$1,000)
Duluth-Superior. Green Bay. Kenosha	100-250 50-100	100-250 500-1,000 500-1,000
MadisonRacine		2,500-5,000 2,500-5,000

(For description of central administrative offices and auxiliary units, see footnote 1 to Table 2.)

The Duluth-Superior Standard Metropolitan Area consists of Douglas County, Wisconsin; St. Louis County, Minnesota.

The Kenosha Standard Metropolitan Area consists of Brown County, Wisconsin.

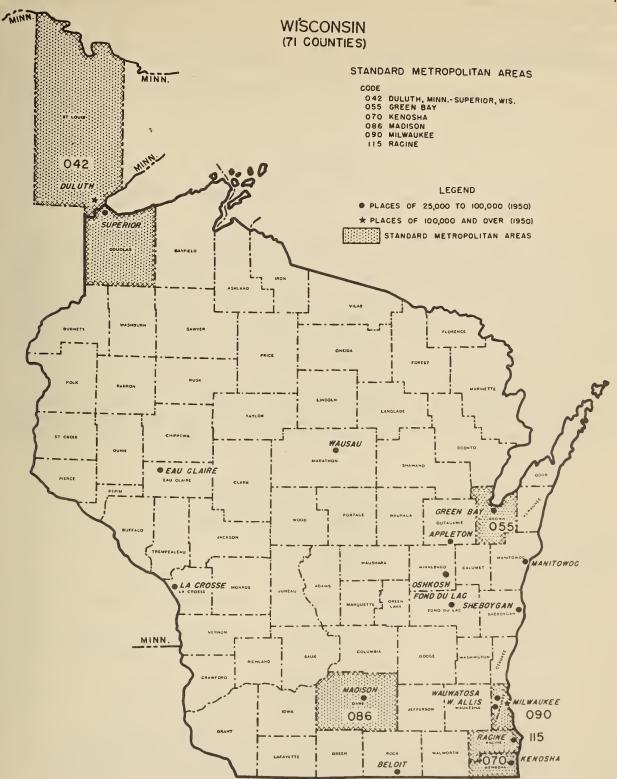
The Kenosha Standard Metropolitan Area consists of Kenosha County, Wisconsin.

The Madison Standard Metropolitan Area consists of Dane County, Wisconsin.

For definitions of standard metropolitan areas, and the central administrative office and auxiliary unit employment and payroll of these areas,

see Table 3 footnotes.

7The Racine Standard Metropolitan Area consists of Racine County, Wisconsin.



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON 25, D. C.

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, \$300

1954 Census of Manufactures

July 1956

Series:

MC-S49

WYOMING

SUMMARY STATISTICS FOR THE STATE AND ITS COUNTIES

This report presents preliminary results from the 1954 Census of Manufactures conducted by the Bureau of the Census, Department of Commerce, and provides summary statistics on all manufacturing for the State specified above, its standard metropolitan areas (if any), and its counties. Included are 1954 data on number of manufacturing establishments distributed by employment size; number of employees; total payroll; value added by manufacture; and new capital expenditures. These figures are also presented for the more important major industry groups within manufacturing for the State and for its standard metropolitan areas with 40,000 or more manufacturing employees (if any). Comparable statistics on employment and value added are shown for 1947 (when the last Census of Manufactures was taken). No adjustments have been made in the payroll, value added, and expenditures figures for changes in price levels between 1947 and 1954.

All 1954 figures in this report are preliminary and, therefore, subject to revision in the final State bulletin. In some instances, detail figures have been withheld in order to (a) avoid disclosing figures for individual companies, or (b) permit additional checking of data for the smaller counties and industry groups. Additional publishable detail will appear in the final bulletin for this State. The 1947 figures occasionally reflect minor revisions of previously published 1947 Census totals.

Table 1.--GENERAL STATISTICS FOR THE STATE: 1954 AND 1947
(See text for explanation of items)

(but beau for experience)									
Item	Unit of measure	1954	1947	Percent change 1947-1954					
Number of establishments, total	Number	329	256	+29					
1-19 employees	do	281 36	201 42	+40 -14					
100 or more employees	do	12	13	-8					
Number	Thousands	6.1	5.6	+9					
Payroll	Million dollars	26.3	16.7	+57					
Value added by manufacture	do	50.4	35.0	+44					
Capital expenditures, new		6.9	10.2	-32					

¹In addition to data for operating establishments manufacturers' central administrative offices and auxiliary units reported less than 50 employees with a payroll of less than \$0.25 million in 1954. (See footnote 1 to Table 2.)



U. S. DEPARTMENT OF COMMERCE, Sinclair Weeks, Secretary.

BUREAU OF THE CENSUS, Robert W. Burgess, Director.

The 1954 Census of Manufactures is the twenty-sixth such census of the United States since 1809. For 1954, it was conducted jointly with the Censuses of Business (Wholesale, Retail, and Services) and Mineral Industries, covering continental United States, Alaska, and Hawaii. Separate Censuses of Manufactures and Business for 1954 were also conducted in Puerto Rico. Present legislation provides for a Census of Manufactures every five years, with the next one scheduled to cover 1958. In addition, the law authorizes annual sample surveys to be conducted in interim years.

EXPLANATION OF TERMS

Establishments.—A manufacturing establishment is generally defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Each report in the Census is tabulated in accordance with the physical location where the industrial activity is performed. Census of Manufactures figures represent a summary of reports for individual "establishments," rather than "companies." An establishment is not necessarily identical with the business concern or firm, which may consist of one or more establishments. It is also to be distinguished from organizational sub-units, departments, or divisions within an establishment.

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1954 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods is used.) For 1947, an average based on the mid-month employment of 12 months was used.

<u>Payroll.--</u>This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Value added by manufacture. -- This measure is derived by subtracting the cost of materials, etc., from the value of shipments of manufacturing establishments in each geographic area. It avoids, therefore, the duplication in the value of shipments which results from the use of products of some establishments as materials by others. As such, it is the best measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. "Value of shipments" used in this calculation includes the shipments of all products made in the manufacturing establishment, together with "miscellaneous receipts" for repair work, sales of scrap, installations of own products, and receipts for contract work; it excludes sales of products bought and resold in the same condition. "Cost of materials, etc.," used in this calculation includes cost of materials, supplies, fuel, electric energy, and contract work; it excludes cost of products bought and resold in the same condition.

<u>Capital expenditures, new.--</u>This figure includes: expenditures for new structures and additions (including major alterations, capitalized repairs and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN AREAS

"Standard metropolitan areas" are integrated economic and social units with a large volume of daily travel and communication between the central city (50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force. These areas are defined by the Federal Committee on Standard Metropolitan Areas of the U. S. Bureau of the Budget. Because New England standard metropolitan areas are defined on a city-and-town basis, these advance State reports (tabulated on a county basis only) present data for metropolitan "State economic areas," which are whole-county "equivalents" to the defined standard metropolitan areas, in these States.

1954 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

Preliminary reports for States and the District of Columbia are being scheduled for release during the months of May and June of 1956. More detailed figures for each State will appear in the final State Bulletins, Series MC-101 through MC-149, which will be published and offered for sale late this year by the Superintendent of Documents, U. S. Government Printing Office. Similar advance reports are now being issued for each of about 400 manufacturing industries, to be followed by final industry bulletins. A summary of preliminary United States totals for each manufacturing industry and summary totals for each geographic division and State will also be issued in the next few months. (Order blanks which list these reports and bulletins and their prices may be obtained from U. S. Department of Commerce Field Offices or by writing to: Bureau of the Census, Washington 25, D. C.)

Table 2.—GENERAL STATISTICS FOR THE STATE, BY MAJOR INDUSTRY GROUP: 1954 AND 1947

(See text for explanation of column captions)

		1954								1947	
Ind. group code		Total	Number of establishments with-			All employees1		Value	Capital	422	Value
		number of estab- lishments	1-19 em- ployees	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expenditures, new (\$1,000)	All employees, number	added by manu- facture (\$1,000)
	All industries, total*	329	281	36	12	6,144	26,278	50,425	6,877	5,607	34,957
20 24 27 29 32	Food and kindred products ² Lumber and wood products ³ Printing and publishing Petroleum and coal products Stone, clay, and glass products	103 53	91 93 45 3 12	12 9 6 3 1	2 1 2 6	1,375 908 613 2,561 361	4,618 2,954 2,367 13,607 1,444	9,362 4,515 3,915 27,853 2,704	629 324 122 (*) (*)	1,379 900 486 2,230 330	7,834 3,566 2,209 18,363 1,489

*Totals include data for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller industry groups. Additional publishable detail will appear in the final bulletin for this State.

State.
...Represents zero.

1 n addition to the employment and payroll totals shown in the table for operating manufacturing establishments, manufacturing concerns often reported separately for central administrative offices or auxiliary units (e.g., storage warehouses, power plants, research laboratories, garages, and repair shops) which serve the manufacturing establishments of a company, rather than the general public. Separate reports of central offices and auxiliaries were obtained if at a different general location from the establishment served or if they service more than one manufacturing establishment. In 1954, such central administrative offices and auxiliary units of manufacturers in the State of Wyoming reported 20 to 50 employees with a total payroll of less than \$250 thousand. Comparable data for 1947 are not available.

2 The 1954 figures include establishments engaged in the processing and distribution of fluid milk and cream. For 1947, this type of establishment was not classified as manufacturing and, therefore, was not included in the Census figures. These plants account for approximately 8 percent of employment in Major Industry Group 20, "Food and Kindred Products," for the United States as a whole in 1954. No estimate has been made of the importance of these establishments for individual States.

31954 Census totals for Major Industry Group 24, "Lumber and Wood Products," are not strictly comparable with 1947 data. In 1947, Logging Camps and Contractors (Industry 2411) were not included in the Census; in addition, only Sawmills and Planing Mills (Industry 2421) that produced more than 200,000 board feet of lumber were included. In 1954, on the other hand, all such loggers and sawmills were included in the Census. It is estimated that, for the United States as a whole, all loggers plus those mills producing less than 200,000 board feet account for approximately 15 percent of total employment in Major Industry Group 24, "Lumber and Wood Products," in 1954. No estimate has been made of the im

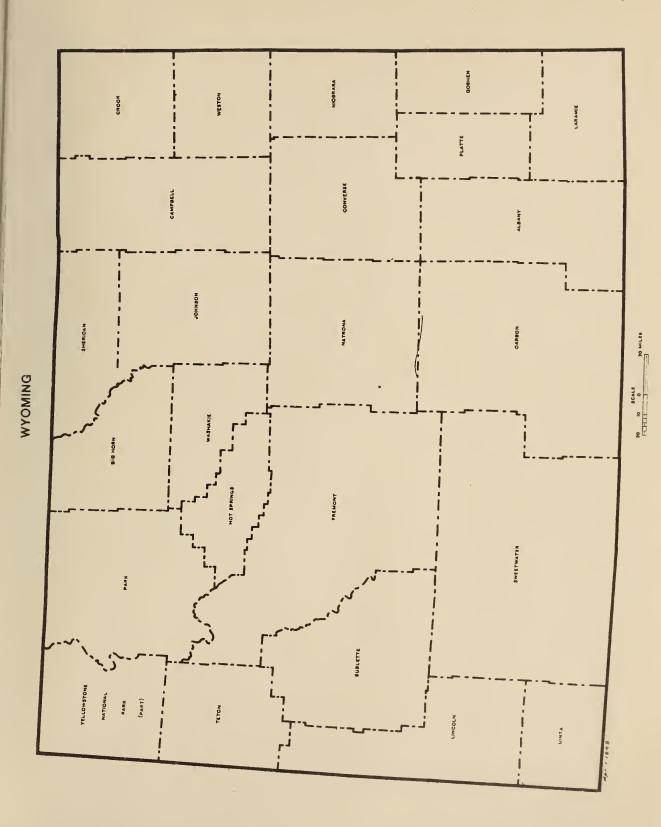
WYOMING

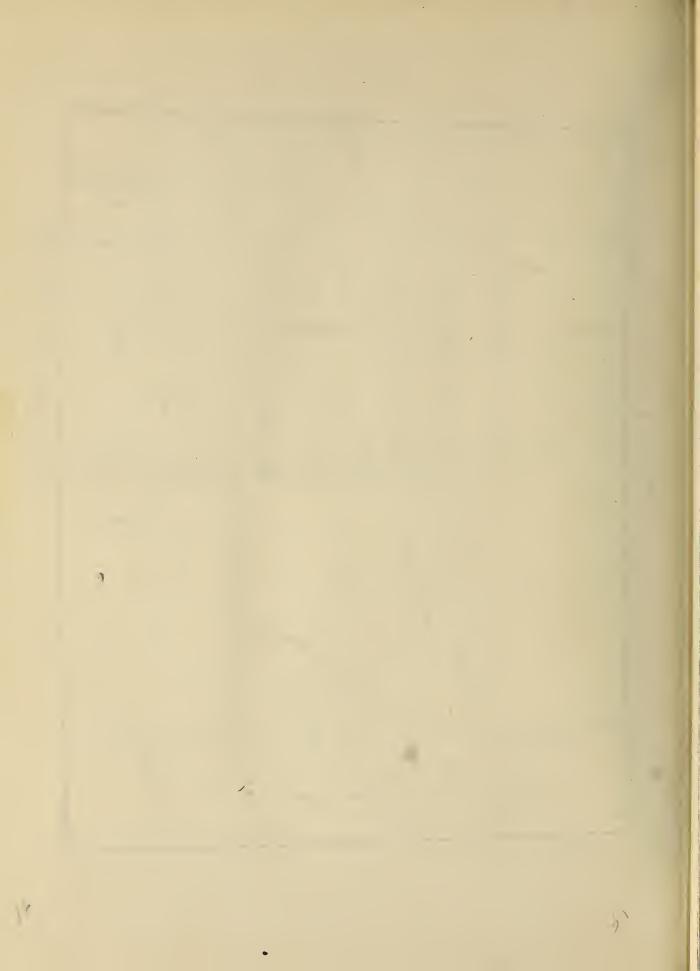
Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS AND COUNTIES: 1954 AND 1947

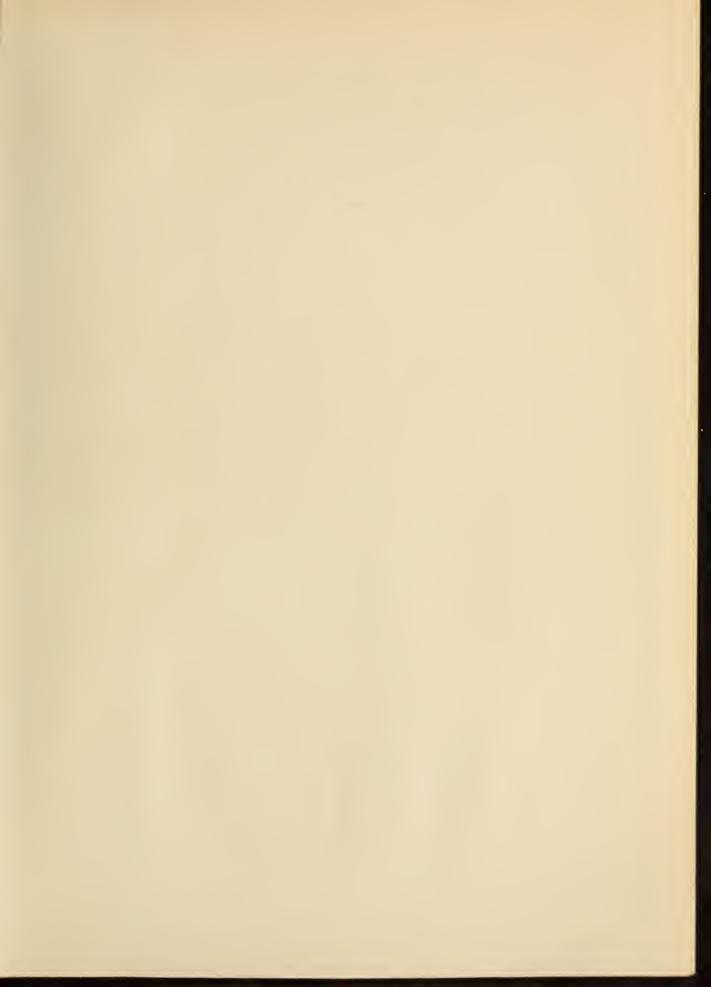
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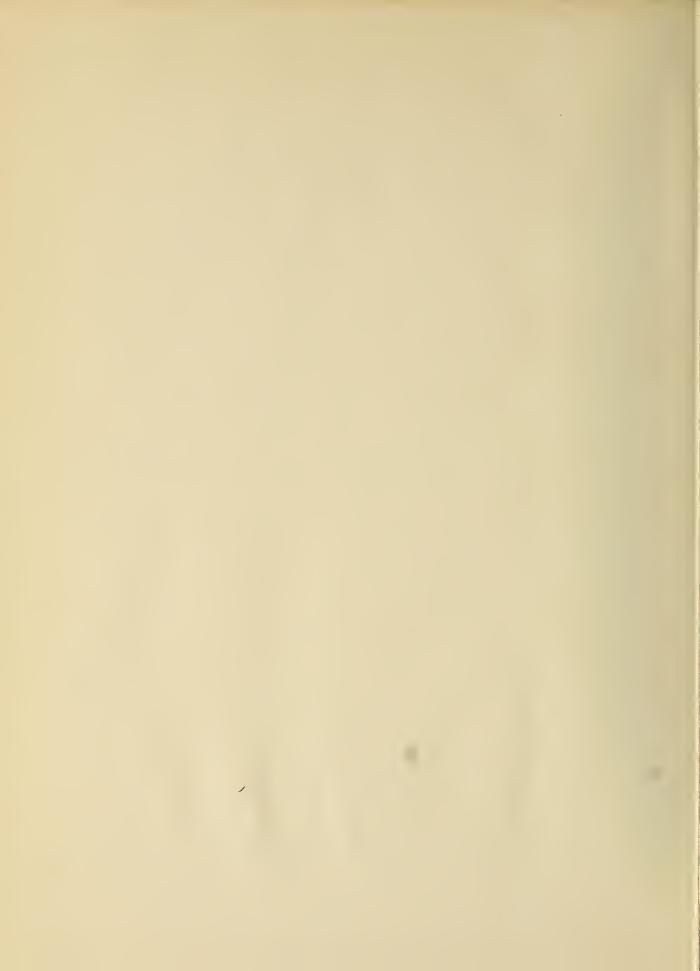
		1954							1947	
Standard metropolitan ares and county		Number of establishments with—		All employees		Value	Capital	All	Value	
	Total number of estab- lishments	em-	20-99 em- ployees	100 or more em- ployees	Number	Payroll (\$1,000)	added by manu- facture (\$1,000)	expendi- tures, new (\$1,000)	employees, number	added by manu- facture (\$1,000)
Wyoming, total STANDARD METROPOLITAN AREAS (None in the State) COUNTIES	329	281	36	12	6,144	26,278	50,425	6,877	5,607	34,957
Albany. Big Horn. Campbell. Carbon. Converse.	23 14 4 19 7	17 10 4 15 6	5 4 2 1	1 2	554 249 (*) (*)	2,079 1,011 (*) (*) 471	3,645 2,357 (*) (*) 1,071	136 (*) (*) (*) (*)	603 417 (*) (*)	2,177 3,197 (*) (*) 1,455
Crook Fremont Goshen Hot Springs Johnson	20 20 17 8 12	20 18 16 7 11	2 1 1	 1 	(*) 170 226 (*) (*)	(*) 628 696 (*) (*)	(*) 917 2,149 (*) (*)	(*) 85 (*) (*) (*)	(*) 116 264 (*) (*)	(*) 566 1,930 (*) (*)
Laramie Lincoln Natrona Niobrara Park	37 11 36 5 14	29 9 28 5 12	6 2 4 	2 4 1	840 (*) 1,734 (*) (*)	3,551 (*) 8,941 (*) (*)	6,509 (*) 14,539 (*) (*)	559 (*) 4,550 (*) (*)	569 (*) 1,287 (*) (*)	4,953 (*) 7,363 (*) (*)
Platte. Sheridan. Sublette. Sweetwater Teton.	9 29 9 6 8	9 24 9 5 8	5 1	•••	(*) 324 (*) (*) (*)	(*) 1,038 (*) (*) (*)	(*) 1,612 (*) (*) (*)	(*) 120 (*) (*) (*)	(*) 515 (*) (*) (*)	(*) 2,601 (*) (*) (*)
Uinta. Washakie Weston. Yellowstone National Park (part)	5 8 7	5 6 7 1	 1 	"i "	(*) 230 (*) (*)	(*) 923 (*) (*)	(*) 1,869 (*) (*)	(*) (*) (*) (*)	(*) 212 (*) (*)	(*) 1,127 (*) (*)

^{*}Detail figures have been withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of data for smaller counties. Additional publishable detail will appear in the final bulletin for this State.
...Represents zero.













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